

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

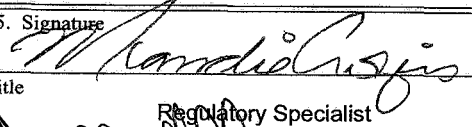

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-72106
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. Beluga Unit
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Beluga Federal I-17-9-17
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43013-34121
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NE/NE 641' FNL 673' FEL At proposed prod. zone NNNE 1235' FNL 1350' FEL		10. Field and Pool, or Exploratory Monument Butte
11. Sec., T., R., M., or Blk. and Survey or Area Sec. 17, T9S R17E		12. County or Parish Duchesne
13. State UT		14. Distance in miles and direction from nearest town or post office* Approximately 14.2 miles southeast of Myton, Utah
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 1235' f/lse, 3875' f/unit	16. No. of Acres in lease 1,188.92	17. Spacing Unit dedicated to this well 20 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1265'	19. Proposed Depth 5860'	20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5338' GL	22. Approximate date work will start* 1st Quarter 2009	23. Estimated duration Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 9/18/08
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 11-05-08
Title OFF ENVIRONMENTAL MANAGER		

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

Federal Approval of this  
Action is Necessary

RECEIVED

OCT 21 2008

DIV. OF OIL, GAS & MINING

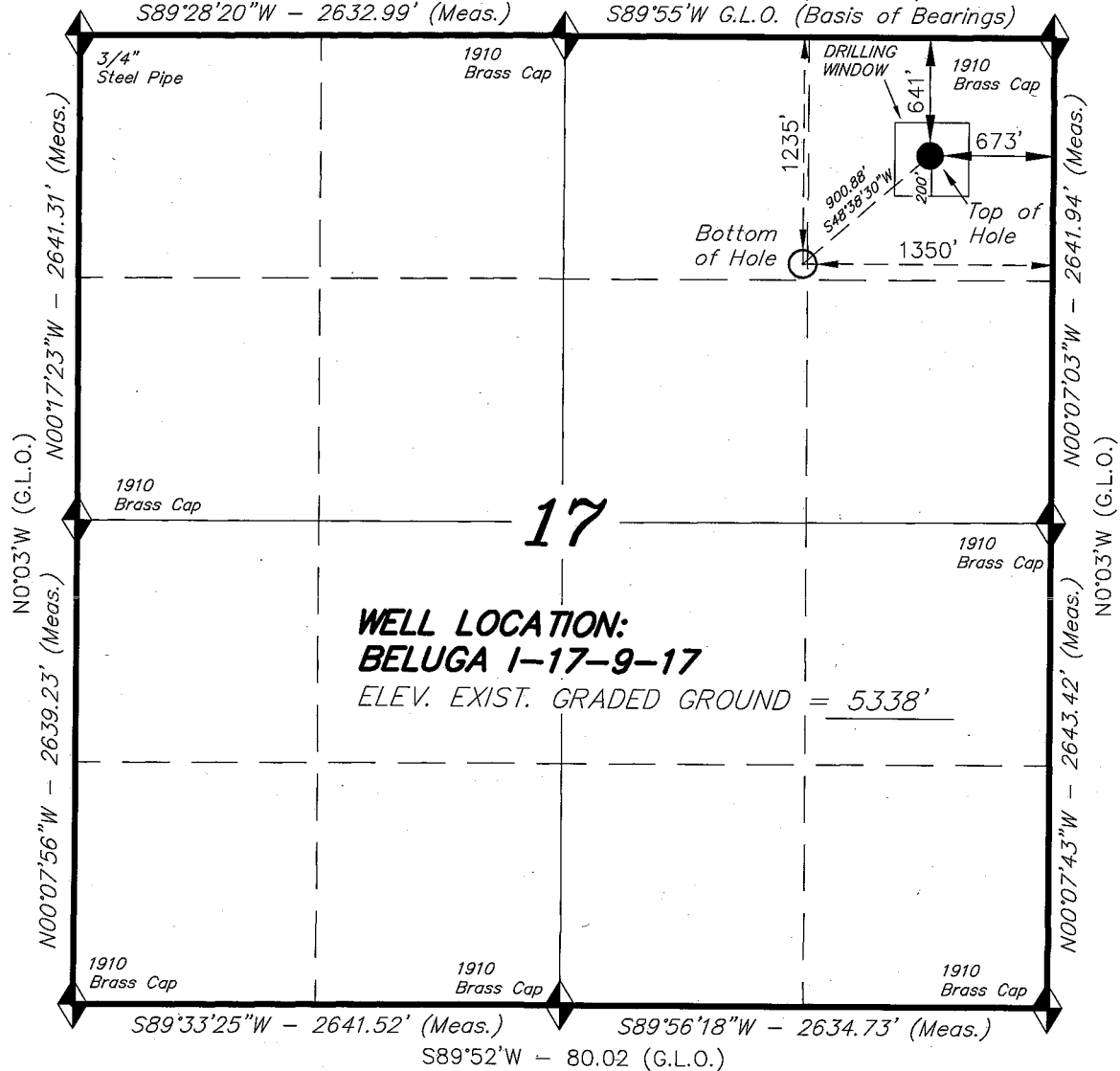
Surf  
583387X  
4432050Y  
40.034450  
-110.022622

Bill  
583182X  
4431866Y  
40.034815  
-110.025046

*T9S, R17E, S.L.B.&M.*

S89°55'W - 80.00 (G.L.O.) 2651.37' (Measured)

$S89^{\circ}28'20''W - 2632.99'$  (Meas.)       $S89^{\circ}55'W$  G.L.O. (Basis of Bearings)



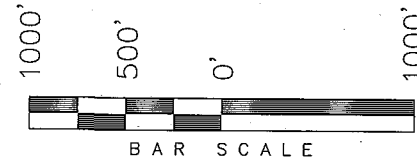
 = SECTION CORNERS LOCATED

BASIS OF ELEV;  
U.S.G.S. 7-1/2 min QUAD (MYTON SE)

BELUGA 1-17-9-17  
(Surface Location) NAD 83  
LATITUDE = 40° 02' 11.22"  
LONGITUDE = 110° 01' 24.37"

*NEWFIELD PRODUCTION COMPANY*

WELL LOCATION, BELUGA 1-17-9-17,  
LOCATED AS SHOWN IN THE NE 1/4 NE  
1/4 OF SECTION 17, T9S, R17E,  
S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF. No. 189377

STACY W. STEWART  
REGISTERED LAND SURVEYOR  
REGISTRATION No. 10037  
STATE OF UTAH

**TRI STATE LAND SURVEYING & CONSULTING**

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

DATE SURVEYED: 06-09-08	SURVEYED BY: C.M.
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DATE DRAWN: 06-17-08	DRAWN BY: F.T.M.
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REVISED:	SCALE: 1" = 1000'
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**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 10/21/2008

API NO. ASSIGNED: 43-013-34121

WELL NAME: BELUGA FED I-17-9-17

OPERATOR: NEWFIELD PRODUCTION ( N2695 )

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NENE 17 090S 170E

SURFACE: 0641 FNL 0673 FEL

BOTTOM: 1235 FNL 1350 FEL

COUNTY: DUCHESNE

LATITUDE: 40.03645 LONGITUDE: -110.0226

UTM SURF EASTINGS: 583387 NORTHINGS: 4432050

FIELD NAME: MONUMENT BUTTE ( 105 )

INSPECT LOCATN BY: / /

Tech Review

Initials

Date

Engineering

Geology

Surface

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-72106

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat  
☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. WYB000493 )  
☒ Potash (Y/N)  
☒ Oil Shale 190-5 (B) or 190-3 or 190-13  
☒ Water Permit  
(No. 43-7478 )  
☒ RDCC Review (Y/N)  
(Date: )  
☒ Fee Surf Agreement (Y/N)  
☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

☒ R649-2-3.  
Unit: BELUGA (GRRV)  
☒ R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells  
☒ R649-3-3. Exception  
☒ Drilling Unit  
Board Cause No: 228.4  
Eff Date: 2-4-1996  
Siting: ~~Does NOT Suspend Gen. Siting~~  
☒ R649-3-11. Directional Drill

COMMENTS:

STIPULATIONS:







# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:  
3160  
(UT-922)

October 24, 2008

### Memorandum

To: Assistant District Manager Minerals, Vernal District  
From: Michael Coulthard, Petroleum Engineer  
Subject: 2008 Plan of Development Beluga Unit, Duchesne County,  
Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2008 within the Beluga Unit, Duchesne County, Utah.

API #	WELL NAME	LOCATION
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(Proposed PZ Green River)

43-013-34121 Beluga Federal I-17-9-17 Sec 17 T09S R17E 0641 FNL 0673 FEL  
BHL Sec 17 T09S R17E 1235 FNL 1350 FEL

We have no objections to permitting the wells so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard

bcc: File – Beluga Unit  
Division of Oil Gas and Mining  
Central Files  
Agr. Sec. Chron  
Fluid Chron

MCoulthard:mc:10-24-08





October 31, 2008

State of Utah, Division of Oil, Gas and Mining  
ATTN: Diana Mason  
PO Box 145801  
Salt Lake City, UT 84114-5801

RE: Directional Drilling  
**Beluga Federal I-17-9-17**  
Beluga Unit  
UTU-75023X  
Surface Hole: T9S R17E, Section 17: NENE  
641' FNL 673' FEL  
Bottom Hole: T9S R17E, Section 17  
1235' FNL 1350' FEL  
Duchesne County, Utah

Dear Ms. Mason;

Pursuant to the filing of Newfield Production Company's ("NPC") Application for Permit to Drill dated September 18, 2008, a copy of which is attached, for the above referenced well, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole location and bottom hole location of this well are both within the boundaries of the Beluga Unit UTU-75023X. Newfield certifies that it is the Beluga Unit Operator and all lands within 460 feet of the entire directional well bore are within the Beluga Unit.

NPC is permitting this well as a directional well in order to minimize surface disturbance. By directionally drilling from the referenced surface location, NPC will be able to utilize the existing roads and pipelines in this area.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please do not hesitate to contact the undersigned at 303-382-4444 or by email at [reveland@newfield.com](mailto:reveland@newfield.com). Your consideration of this matter is greatly appreciated.

Sincerely,

A handwritten signature in cursive script that reads "Roxann Eveland".

Roxann Eveland  
Land Associate

RECEIVED

NOV 05 2008

DIV. OF OIL, GAS & MINING



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

5. Lease Serial No.  
UTU-72106

6. If Indian, Allottee or Tribe Name  
N/A

7. If Unit or CA Agreement, Name and No.  
Beluga Unit

8. Lease Name and Well No.  
Beluga Federal I-17-9-17

9. API Well No.

1a. Type of Work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

2. Name of Operator  
Newfield Production Company

3a. Address  
Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)  
(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)  
At surface NE/NE 641' FNL 673' FEL  
At proposed prod. zone 1235' FNL 1350' FEL

10. Field and Pool, or Exploratory  
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area  
Sec. 17, T9S R17E

14. Distance in miles and direction from nearest town or post office\*  
Approximately 14.2 miles southeast of Myton, Utah

12. County or Parish  
Duchesne

13. State  
UT

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 1235' file, 3875' thunit

16. No. of Acres in lease  
1,188.92

17. Spacing Unit dedicated to this well  
20 Acres

18. Distance from proposed location\* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1265'

19. Proposed Depth  
5860'

20. BLM/BIA Bond No. on file  
WYB000493

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
5338' GL

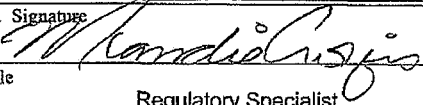
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1st Quarter 2009

23. Estimated duration  
Approximately seven (7) days from spud to rig release.

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4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature  Name (Printed/Typed) Mandie Crozier Date 9/18/08

Title Regulatory Specialist

Approved by (Signature) \_\_\_\_\_ Name (Printed/Typed) \_\_\_\_\_ Date \_\_\_\_\_

Title \_\_\_\_\_ Office \_\_\_\_\_

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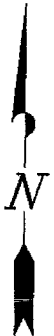
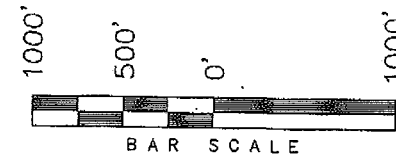
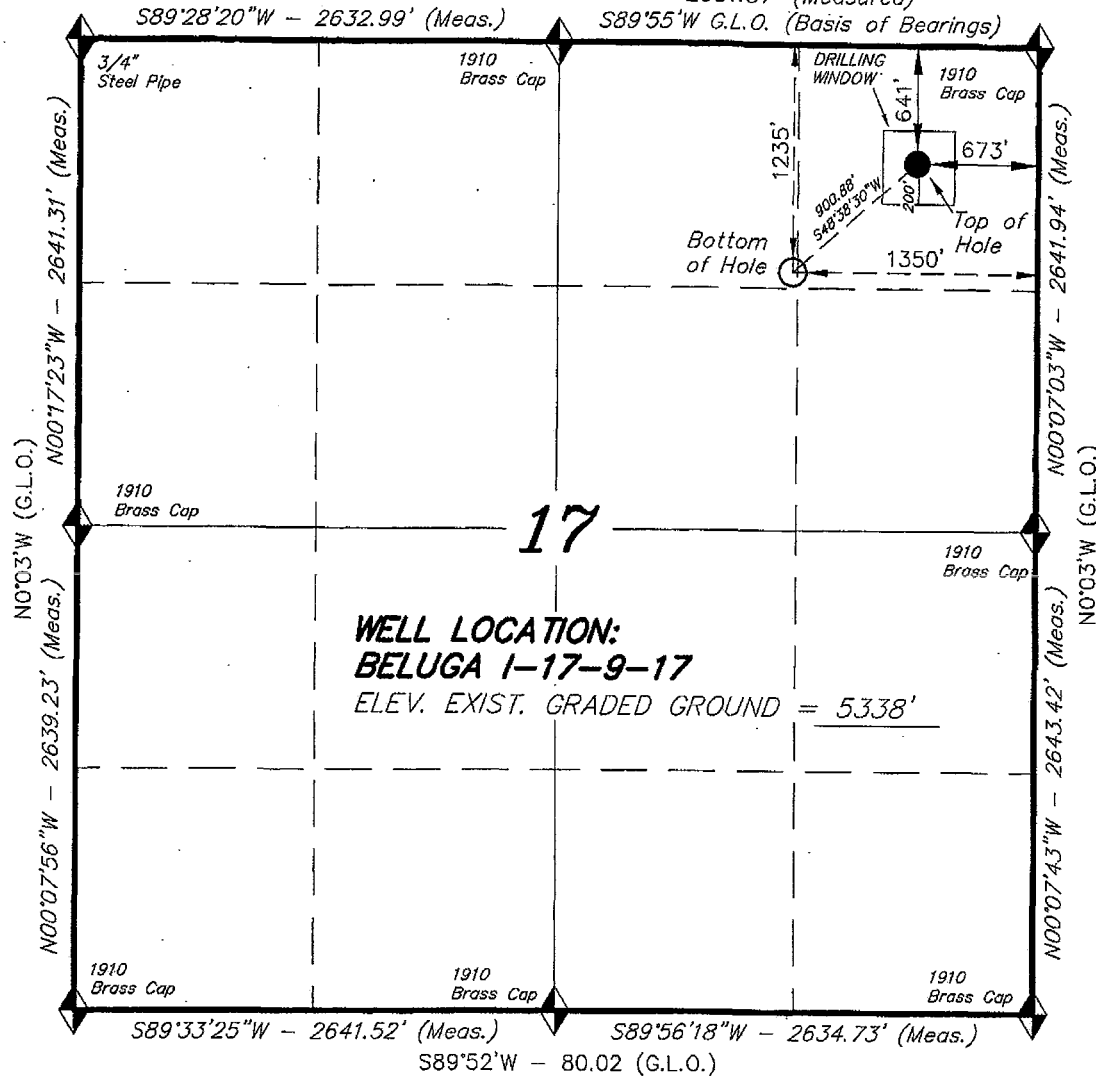
NOV 05 2008

DIV. OF OIL, GAS & MINING



S89°55'W - 80.00 (G.L.O.) 2651.37' (Measured)  
2.99' (Meas.) S89°55'W G.L.O. (Basis of Bearings)

WELL LOCATION, BELUGA I-17-9-17,  
LOCATED AS SHOWN IN THE NE 1/4 NE  
1/4 OF SECTION 17, T9S, R17E,  
S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF No. 189377

STACY W.

REGISTERED LAND SURVEY  
REGISTRATION No. 12837  
STATE OF UTAH

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

SURVEYED BY: C.M.

DRAWN BY: F.T.M.

SCALE: 1" = 1000'

 = SECTION CORNERS LOCATED

BASIS OF ELEV;  
U.S.G.S. 7-1/2 min QUAD (MYTON SE)

BELUGA 1-17-9-17  
(Surface Location) NAD 83  
LATITUDE = 40° 02' 11.22"  
LONGITUDE = 110° 01' 24.37"



**NEWFIELD PRODUCTION COMPANY  
BELUGA FEDERAL I-17-9-17  
NE/NE SECTION 17, T9S, R17E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**DRILLING PROGRAM**

**1. GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

**2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 1300'
Green River	1300'
Wasatch	5860'

**3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation 1300' – 5860' - Oil

**4. PROPOSED CASING PROGRAM**

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

**5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

Please refer to the Monument Butte Field SOP. See Exhibit "C".

**6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

Please refer to the Monument Butte Field SOP.

**7. AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Please refer to the Monument Butte Field SOP.

**8. TESTING, LOGGING AND CORING PROGRAMS:**

Please refer to the Monument Butte Field SOP.

**9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

**10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

Please refer to the Monument Butte Field SOP.

**NEWFIELD PRODUCTION COMPANY  
BELUGA FEDERAL I-17-9-17  
AT SURFACE: NE/NE SECTION 17, T9S, R17E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Newfield Production Company well location site Beluga Federal I-17-9-17 located in the NE 1/4 NE 1/4 Section 17, T9S, R17E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southeasterly - 11.3 miles  $\pm$  to it's junction with an existing dirt road to the southwest; proceed southwesterly - 1.5 miles  $\pm$  to it's junction with an existing dirt road to the east; proceed easterly to the existing Monument Federal 41-17-9-17 well location.

**2. PLANNED ACCESS ROAD**

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing Monument Federal 41-17-9-17 well pad. See attached Topographic Map "B".

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

The proposed well will be drilled directionally off of the Monument Federal 41-17-9-17 well pad. There will be a pumping unit and a short flow line added to the tank battery for the proposed Beluga Federal I-17-9-17. All permanent surface equipment will be painted Carlsbad Canyon.

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

**5. LOCATION AND TYPE OF WATER SUPPLY**

Newfield Production will transport water by truck for drilling purposes from the following water sources:

Johnson Water District  
Water Right : 43-7478

Neil Moon Pond  
Water Right: 43-11787

Maurice Harvey Pond  
Water Right: 47-1358

Newfield Collector Well  
Water Right: 41-3530 (A30414DV, contracted with the Duchesne County Conservancy District).



Please refer to the Monument Butte Field SOP. See Exhibit "A".

6. **SOURCE OF CONSTRUCTION MATERIALS**

The proposed Beluga Federal I-17-9-17 will be drilled off of the existing Monument Federal 41-17-9-17 well pad. No additional surface disturbance will be required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

8. **ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management (Proposed location and access roads leading to).

12. **OTHER ADDITIONAL INFORMATION**

Newfield Production Company requests 100' of disturbed area be granted in Lease UTU-72106 to allow for construction of the proposed water lines. It is proposed that the disturbed area will temporarily be 50' wide to allow for construction of a buried 3" steel water injection line and a buried 3" poly water return line and 30' wide upon completion of the proposed water lines. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP. In the event that the proposed well is converted to a water injection well, a separate injection permit will be applied for through the proper agencies.

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #08-197, 8/22/08. Paleontological Resource Survey prepared by, Wade E. Miller, 7/25/08. See attached report cover pages, Exhibit "D".

**Water Disposal**

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), State of Utah approved surface disposal facilities, or Federally approved surface disposal facilities.

**Threatened, Endangered, And Other Sensitive Species**

None for the proposed Beluga Federal I-17-9-17.

**Reserve Pit Liner**

A 16 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

## Location and Reserve Pit Reclamation

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Squirrell Tail	<i>Elymus Elymoides</i>	6 lbs/acre
Siberian Wheatgrass	<i>Agropyron Fragile</i>	2 lbs/acre
Gardner Saltbush	<i>Atriplex Gardneri</i>	1 lbs/acre
Shadscale	<i>Atriplex Confertifolia</i>	1 lbs/acre
Fourwing Saltbush	<i>Atriplex Canescens</i>	1 lbs/acre
Scarlet Globemallow	<i>Sphaeralcea Conccinea</i>	0.20 lbs/acre
Forage Kochia	<i>Kochia Prostrata</i>	0.20 lbs/acre

### Details of the On-Site Inspection

The proposed Beluga Federal I-17-9-17 was on-sited on 7/16/08. The following were present; Kevan Stevens (Newfield Production ), Michael Cutler (Bureau of Land Management), Brandon McDonald (Bureau of Land Management ), and James Herford (Bureau of Land Management). Weather conditions were clear and ground cover was 100% open.

### LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

#### Representative

Name: Dave Allred  
Address: Route #3 Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

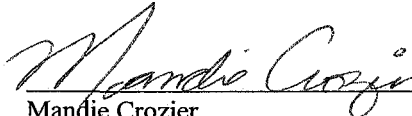
#### Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #I-17-9-17 NE/NE Section 17, Township 9S, Range 17E: Lease UTU-72106 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

9/15/08

Date

  
Mandie Crozier  
Regulatory Specialist  
Newfield Production Company





**Scientific Drilling**  
Rocky Mountain Operations

Project: Duchesne County, UT NAD83 UTC  
Site: Beluga Unit  
Well: Beluga I 17-9-17  
Wellbore: OH  
Design: Plan #1

**Newfield Exploration Co.**

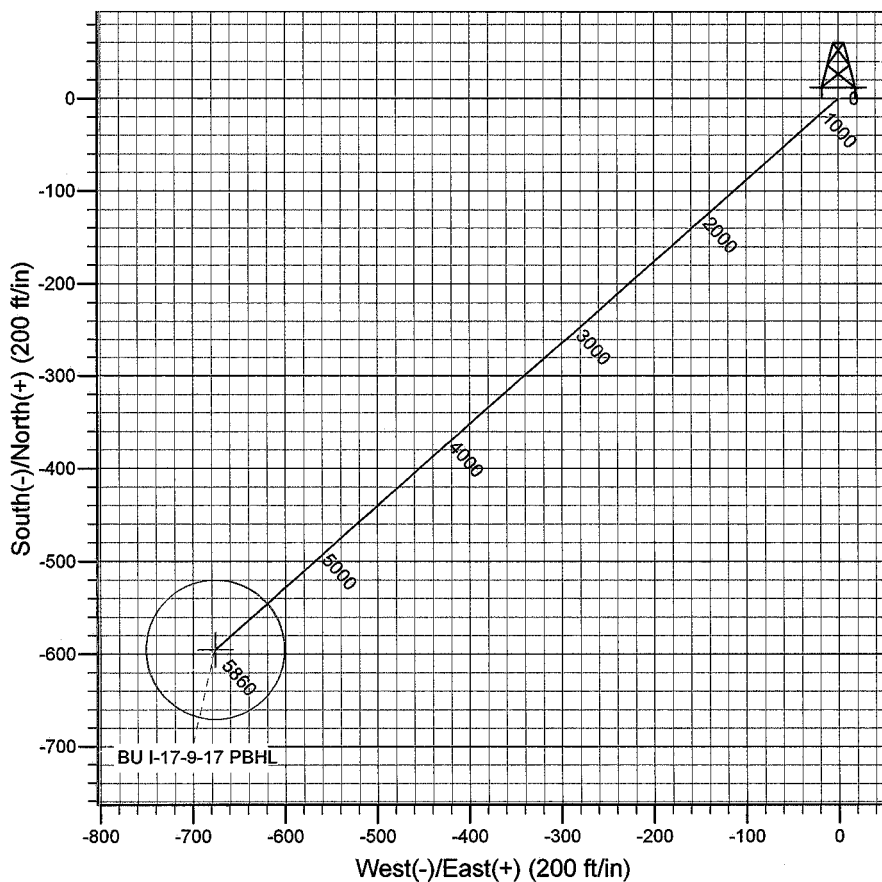
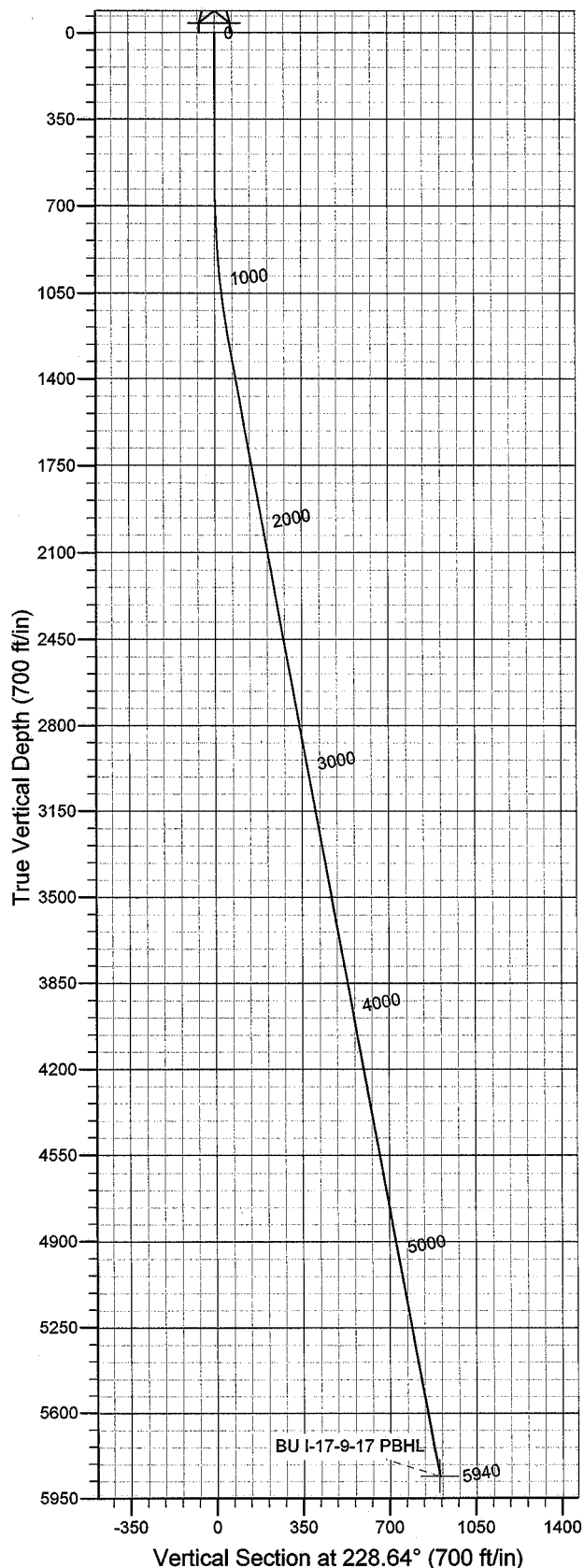


Azimuths to True North  
Magnetic North: 11.63°

Magnetic Field  
Strength: 52564.1snT  
Dip Angle: 65.87°  
Date: 2008-10-09  
Model: IGRF2005-10

WELL DETAILS: Beluga I 17-9-17

GL 5338' & RKB 12' @ 5350.00ft 5338.00  
+N/-S 0.00 +E/-W 0.00 Northing 7185427.37 Easting 2053821.26 Latitude 40° 2' 11.220 N Longitude 110° 1' 24.370 W



Plan: Plan #1 (Beluga I 17-9-17/OH)

Created By: Julie Cruse Date: 2008-10-09

PROJECT DETAILS: Duchesne County, UT NAD83 UTC

Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: Utah Central Zone  
Location:  
System Datum: Mean Sea Level  
Local North: True

#### SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	
1292.76	10.39	228.64	1288.97	-41.40	-47.02	1.50	228.64	62.65	
5940.01	10.39	228.64	5860.00	-595.29	-676.18	0.00	0.00	900.88	BU I-17-9-17 PBHL



**Scientific Drilling**  
Rocky Mountain Operations

## **Newfield Exploration Co.**

**Duchesne County, UT NAD83 UTC**

**Beluga Unit**

**Beluga I 17-9-17**

**OH**

**Plan: Plan #1**

## **Standard Planning Report**

**09 October, 2008**



**Database:** EDM 2003.16 Multiuser DB  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT NAD83 UTC  
**Site:** Beluga Unit  
**Well:** Beluga I 17-9-17  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well Beluga I 17-9-17  
**TVD Reference:** GL 5338' & RKB 12' @ 5350.00ft  
**MD Reference:** GL 5338' & RKB 12' @ 5350.00ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

<b>Project</b>	Duchesne County, UT NAD83 UTC		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone		

Site	Beluga Unit,				
Site Position:		Northing:	7,186,685.53 ft	Latitude:	40° 2' 23.870 N
From:	Lat/Long	Easting:	2,052,488.32 ft	Longitude:	110° 1' 41.240 W
Position Uncertainty:	0.00 ft	Slot Radius:	in	Grid Convergence:	0.94 °

Well	Beluga I 17-9-17, 641' FNL 673' FEL Sec 17 T9S R17E					
Well Position	+N/-S	0.00 ft	Northing:	7,185,427.37 ft	Latitude:	40° 2' 11.220 N
	+E/-W	0.00 ft	Easting:	2,053,821.26 ft	Longitude:	110° 1' 24.370 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,338.00 ft

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination</b>	<b>Dip Angle</b>	<b>Field Strength</b>
			(°)	(°)	(nT)
	IGRF2005-10	2008-10-09	11.63	65.87	52,564

<b>Design</b>	Plan #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD)</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Direction</b>
	(ft)	(ft)	(ft)	(°)
	0.00	0.00	0.00	228.64

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,292.76	10.39	228.64	1,288.97	-41.40	-47.02	1.50	1.50	0.00	228.64	
5,940.01	10.39	228.64	5,860.00	-595.29	-676.18	0.00	0.00	0.00	0.00	BU I-17-9-17 PBHL

**Database:** EDM 2003.16 Multiuser DB  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT NAD83 UTC  
**Site:** Beluga Unit  
**Well:** Beluga 1 17-9-17  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well Beluga 1 17-9-17  
**TVD Reference:** GL 5338' & RKB 12' @ 5350.00ft  
**MD Reference:** GL 5338' & RKB 12' @ 5350.00ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

**Planned Survey**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	1.50	228.64	699.99	-0.86	-0.98	1.31	1.50	1.50	0.00
800.00	3.00	228.64	799.91	-3.46	-3.93	5.23	1.50	1.50	0.00
900.00	4.50	228.64	899.69	-7.78	-8.84	11.77	1.50	1.50	0.00
1,000.00	6.00	228.64	999.27	-13.83	-15.71	20.92	1.50	1.50	0.00
1,100.00	7.50	228.64	1,098.57	-21.59	-24.53	32.68	1.50	1.50	0.00
1,200.00	9.00	228.64	1,197.54	-31.07	-35.30	47.03	1.50	1.50	0.00
1,292.76	10.39	228.64	1,288.97	-41.40	-47.02	62.65	1.50	1.50	0.00
1,300.00	10.39	228.64	1,296.09	-42.26	-48.00	63.95	0.00	0.00	0.00
1,400.00	10.39	228.64	1,394.45	-54.18	-61.54	81.99	0.00	0.00	0.00
1,500.00	10.39	228.64	1,492.81	-66.10	-75.08	100.03	0.00	0.00	0.00
1,600.00	10.39	228.64	1,591.17	-78.02	-88.62	118.07	0.00	0.00	0.00
1,700.00	10.39	228.64	1,689.53	-89.94	-102.16	136.10	0.00	0.00	0.00
1,800.00	10.39	228.64	1,787.89	-101.85	-115.69	154.14	0.00	0.00	0.00
1,900.00	10.39	228.64	1,886.25	-113.77	-129.23	172.18	0.00	0.00	0.00
2,000.00	10.39	228.64	1,984.61	-125.69	-142.77	190.21	0.00	0.00	0.00
2,100.00	10.39	228.64	2,082.97	-137.61	-156.31	208.25	0.00	0.00	0.00
2,200.00	10.39	228.64	2,181.33	-149.53	-169.85	226.29	0.00	0.00	0.00
2,300.00	10.39	228.64	2,279.69	-161.45	-183.38	244.33	0.00	0.00	0.00
2,400.00	10.39	228.64	2,378.05	-173.37	-196.92	262.36	0.00	0.00	0.00
2,500.00	10.39	228.64	2,476.41	-185.29	-210.46	280.40	0.00	0.00	0.00
2,600.00	10.39	228.64	2,574.77	-197.20	-224.00	298.44	0.00	0.00	0.00
2,700.00	10.39	228.64	2,673.13	-209.12	-237.54	316.47	0.00	0.00	0.00
2,800.00	10.39	228.64	2,771.49	-221.04	-251.08	334.51	0.00	0.00	0.00
2,900.00	10.39	228.64	2,869.85	-232.96	-264.61	352.55	0.00	0.00	0.00
3,000.00	10.39	228.64	2,968.21	-244.88	-278.15	370.59	0.00	0.00	0.00
3,100.00	10.39	228.64	3,066.57	-256.80	-291.69	388.62	0.00	0.00	0.00
3,200.00	10.39	228.64	3,164.93	-268.72	-305.23	406.66	0.00	0.00	0.00
3,300.00	10.39	228.64	3,263.29	-280.63	-318.77	424.70	0.00	0.00	0.00
3,400.00	10.39	228.64	3,361.65	-292.55	-332.30	442.73	0.00	0.00	0.00
3,500.00	10.39	228.64	3,460.01	-304.47	-345.84	460.77	0.00	0.00	0.00
3,600.00	10.39	228.64	3,558.37	-316.39	-359.38	478.81	0.00	0.00	0.00
3,700.00	10.39	228.64	3,656.73	-328.31	-372.92	496.85	0.00	0.00	0.00
3,800.00	10.39	228.64	3,755.09	-340.23	-386.46	514.88	0.00	0.00	0.00
3,900.00	10.39	228.64	3,853.45	-352.15	-400.00	532.92	0.00	0.00	0.00
4,000.00	10.39	228.64	3,951.81	-364.07	-413.53	550.96	0.00	0.00	0.00
4,100.00	10.39	228.64	4,050.17	-375.98	-427.07	568.99	0.00	0.00	0.00
4,200.00	10.39	228.64	4,148.53	-387.90	-440.61	587.03	0.00	0.00	0.00
4,300.00	10.39	228.64	4,246.89	-399.82	-454.15	605.07	0.00	0.00	0.00
4,400.00	10.39	228.64	4,345.25	-411.74	-467.69	623.11	0.00	0.00	0.00
4,500.00	10.39	228.64	4,443.61	-423.66	-481.22	641.14	0.00	0.00	0.00
4,600.00	10.39	228.64	4,541.97	-435.58	-494.76	659.18	0.00	0.00	0.00
4,700.00	10.39	228.64	4,640.32	-447.50	-508.30	677.22	0.00	0.00	0.00
4,800.00	10.39	228.64	4,738.68	-459.42	-521.84	695.25	0.00	0.00	0.00
4,900.00	10.39	228.64	4,837.04	-471.33	-535.38	713.29	0.00	0.00	0.00
5,000.00	10.39	228.64	4,935.40	-483.25	-548.92	731.33	0.00	0.00	0.00
5,100.00	10.39	228.64	5,033.76	-495.17	-562.45	749.37	0.00	0.00	0.00
5,200.00	10.39	228.64	5,132.12	-507.09	-575.99	767.40	0.00	0.00	0.00

**Database:** EDM 2003.16 Multiuser DB  
**Company:** Newfield Exploration Co.  
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**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

**Planned Survey**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.00	10.39	228.64	5,230.48	-519.01	-589.53	785.44	0.00	0.00	0.00
5,400.00	10.39	228.64	5,328.84	-530.93	-603.07	803.48	0.00	0.00	0.00
5,500.00	10.39	228.64	5,427.20	-542.85	-616.61	821.51	0.00	0.00	0.00
5,600.00	10.39	228.64	5,525.56	-554.77	-630.14	839.55	0.00	0.00	0.00
5,700.00	10.39	228.64	5,623.92	-566.68	-643.68	857.59	0.00	0.00	0.00
5,800.00	10.39	228.64	5,722.28	-578.60	-657.22	875.63	0.00	0.00	0.00
5,900.00	10.39	228.64	5,820.64	-590.52	-670.76	893.66	0.00	0.00	0.00
5,940.01	10.39	228.64	5,860.00	-595.29	-676.18	900.88	0.00	0.00	0.00

**Targets**

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
BU I-17-9-17 PBHL - plan hits target center - Circle (radius 75.00)	0.00	0.00	5,860.00	-595.29	-676.18	7,184,821.00	2,053,155.00	40° 2' 5.336 N	110° 1' 33.064 W



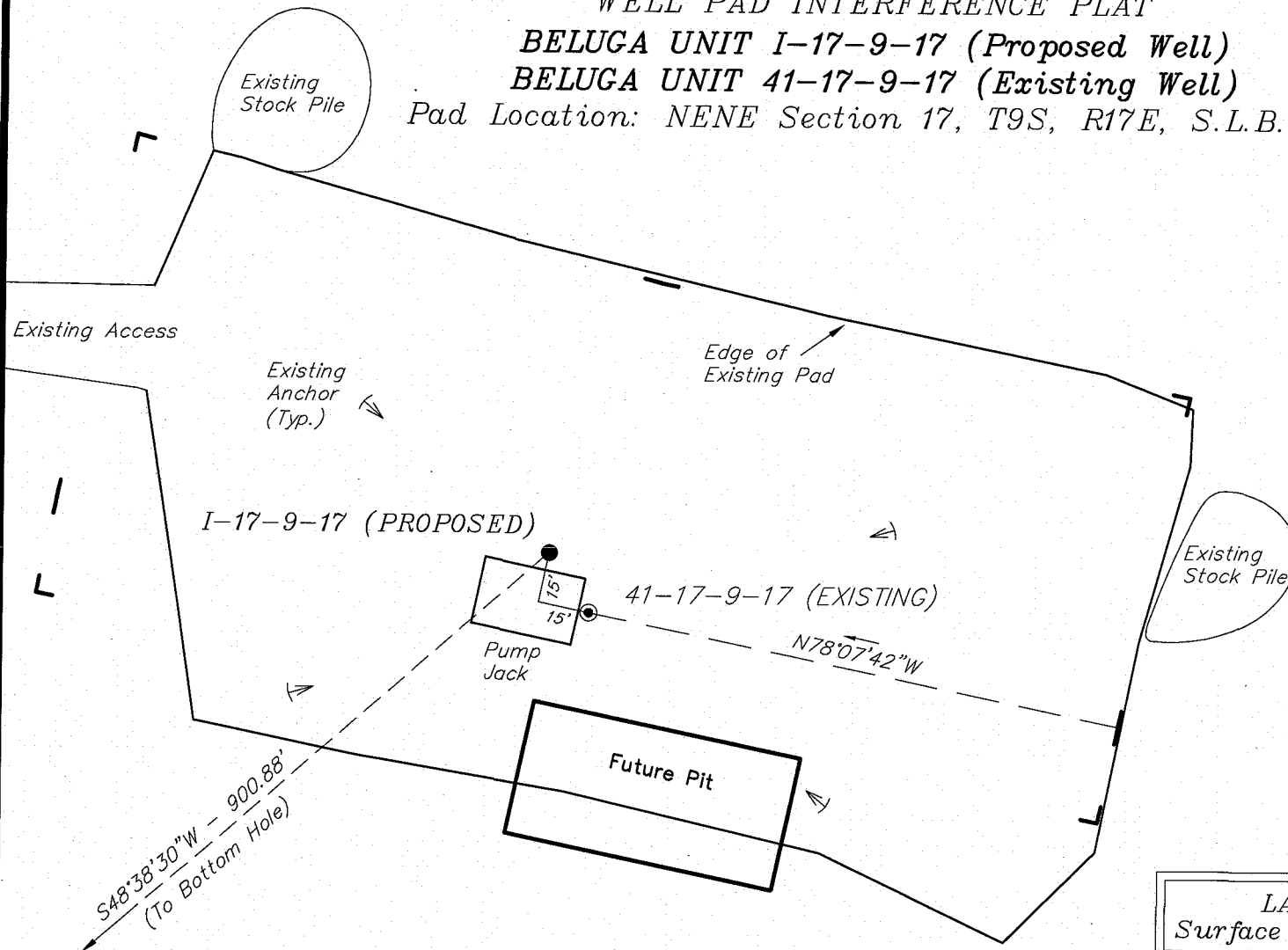
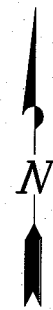
# NEWFIELD PRODUCTION COMPANY

## WELL PAD INTERFERENCE PLAT

BELUGA UNIT I-17-9-17 (Proposed Well)

BELUGA UNIT 41-17-9-17 (Existing Well)

Pad Location: NENE Section 17, T9S, R17E, S.L.B.&M.



### TOP HOLE FOOTAGES

I-17-9-17 (PROPOSED)  
641' FNL & 673' FEL

### BOTTOM HOLE FOOTAGES

I-17-9-17 (PROPOSED)  
1235' FNL & 1350' FEL

### LATITUDE & LONGITUDE Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
I-17-9-17	40° 02' 11.22"	110° 01' 24.37"
41-17-9-17	40° 02' 11.05"	110° 01' 24.22"

### RELATIVE COORDINATES From top hole to bottom hole

WELL	NORTH	EAST
I-17-9-17	-595'	-676'

### Note:

Bearings are based  
on GLO Information.

SURVEYED BY: C.M.	DATE SURVEYED: 06-09-08
DRAWN BY: F.T.M.	DATE DRAWN: 06-17-08
SCALE: 1" = 50'	REVISED:

**Tri State**  
Land Surveying, Inc.

(435) 781-2501

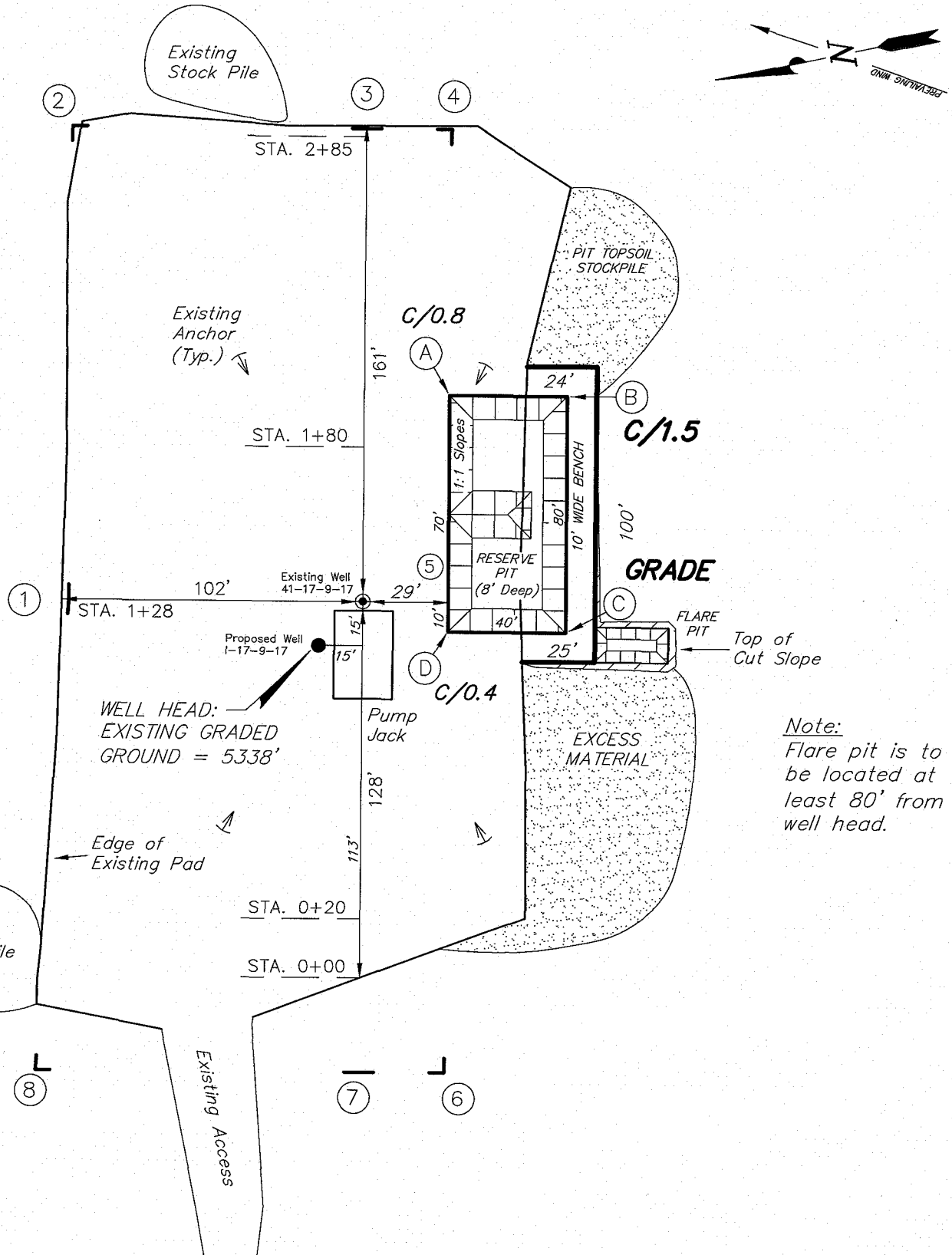
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD PRODUCTION COMPANY

BELUGA UNIT 1-17-9-17 (Proposed Well)

BELUGA UNIT 41-17-9-17 (Existing Well)

Pad Location: NENE Section 17, T9S, R17E, S.L.B.&M.



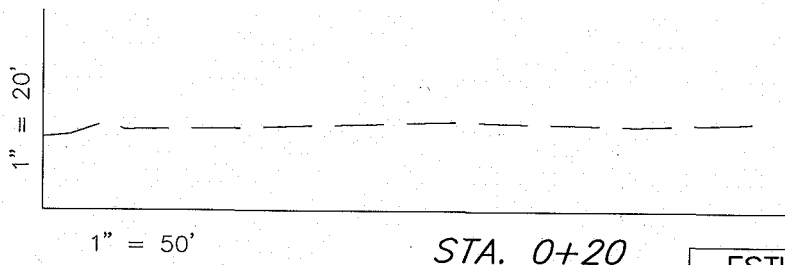
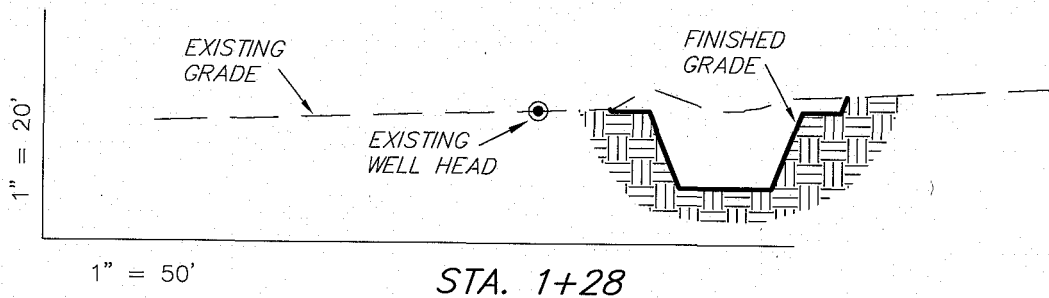
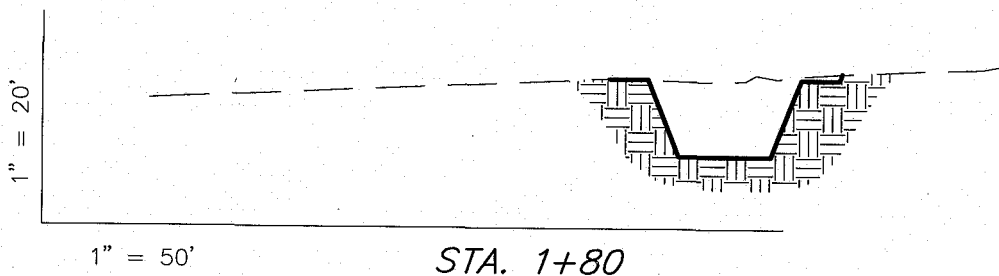
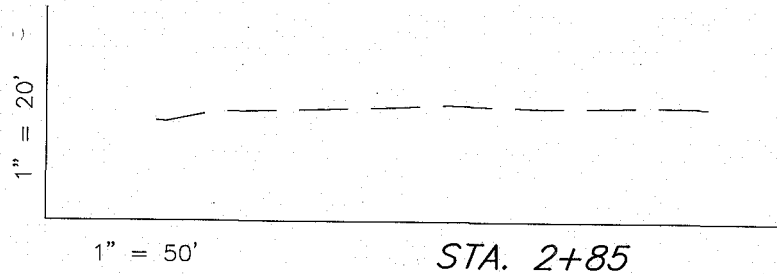
SURVEYED BY: C.M.	DATE SURVEYED: 06-09-08
DRAWN BY: F.T.M.	DATE DRAWN: 06-17-08
SCALE: 1" = 50'	REVISED:

Tri State Land Surveying, Inc. (435) 781-2501  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

BELUGA UNIT 1-17-9-17 (Proposed Well)  
BELUGA UNIT 41-17-9-17 (Existing Well)



NOTE:  
UNLESS OTHERWISE NOTED  
CUT SLOPES ARE AT 1:1  
FILL SLOPES ARE AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES  
(No Shrink or swell adjustments have been used)  
(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	130	0	Topsoil is not included in Pad Cut	130
PIT	640	0		640
TOTALS	770	0	120	770

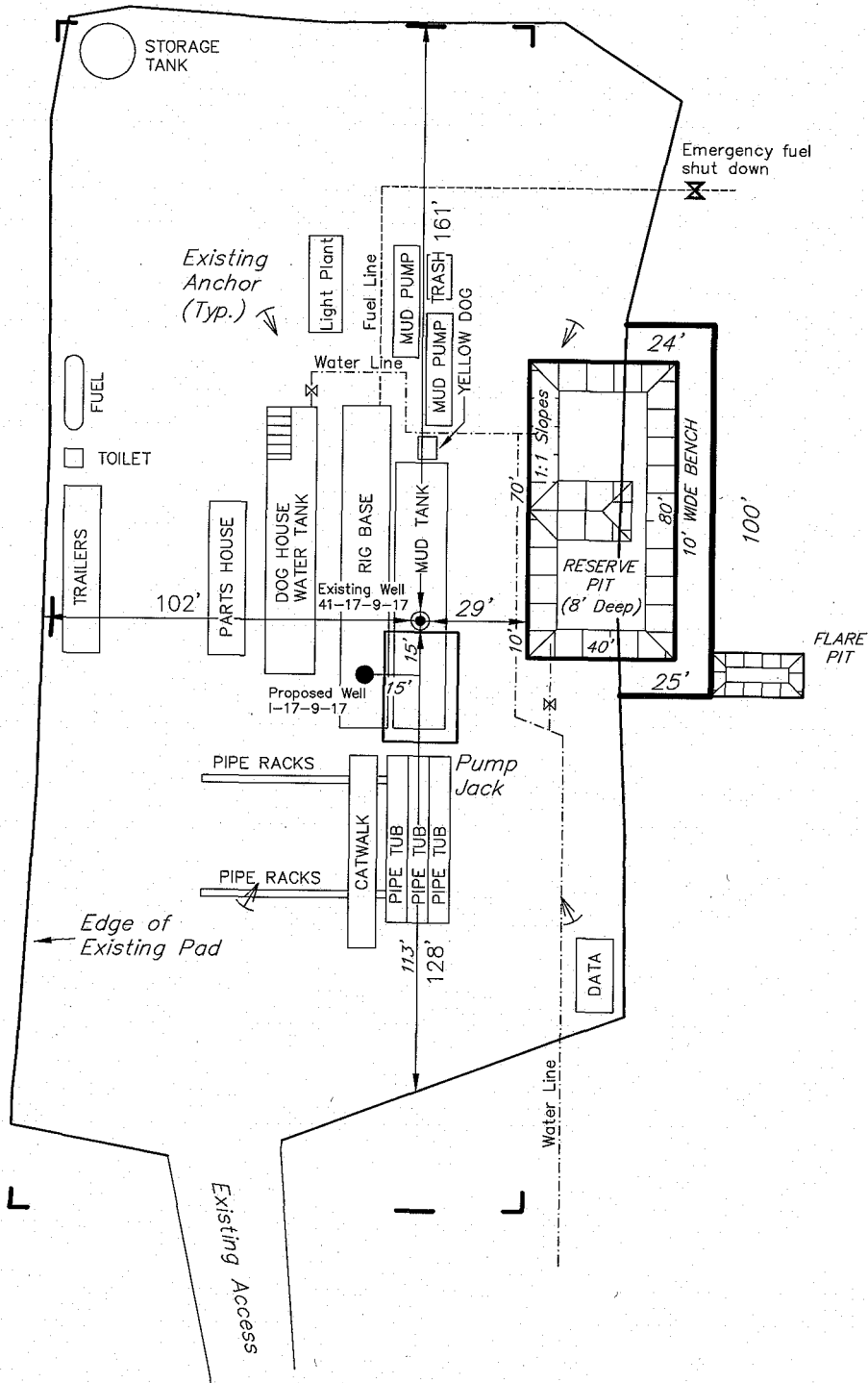
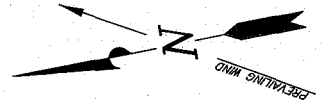
SURVEYED BY: C.M. DATE SURVEYED: 06-09-08  
DRAWN BY: F.T.M. DATE DRAWN: 06-17-08  
SCALE: 1" = 50' REVISED:

Tri State Land Surveying, Inc. (435) 781-2501  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

BELUGA UNIT I-17-9-17 (Proposed Well)  
BELUGA UNIT 41-17-9-17 (Existing Well)



Note:  
Flare pit is to be located at least 80' from well head.

SURVEYED BY: C.M.	DATE SURVEYED: 06-09-08
DRAWN BY: F.T.M.	DATE DRAWN: 06-17-08
SCALE: 1" = 50'	REVISED:

**Tri State**  
Land Surveying, Inc.  
(435) 781-2501  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078



# Newfield Production Company Proposed Site Facility Diagram

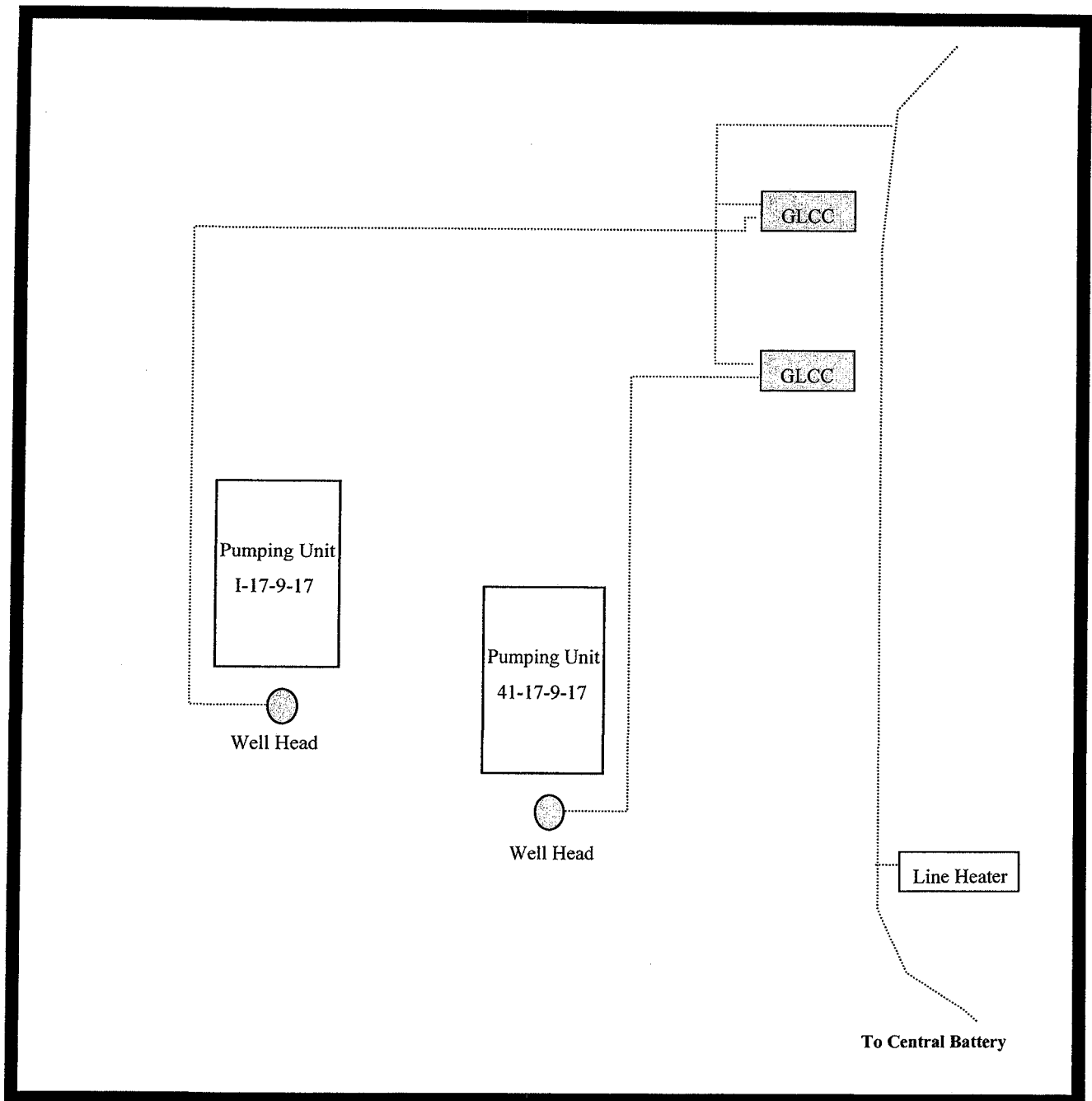
Beluga Federal I-17-9-17

From the 41-17-9-17 Location

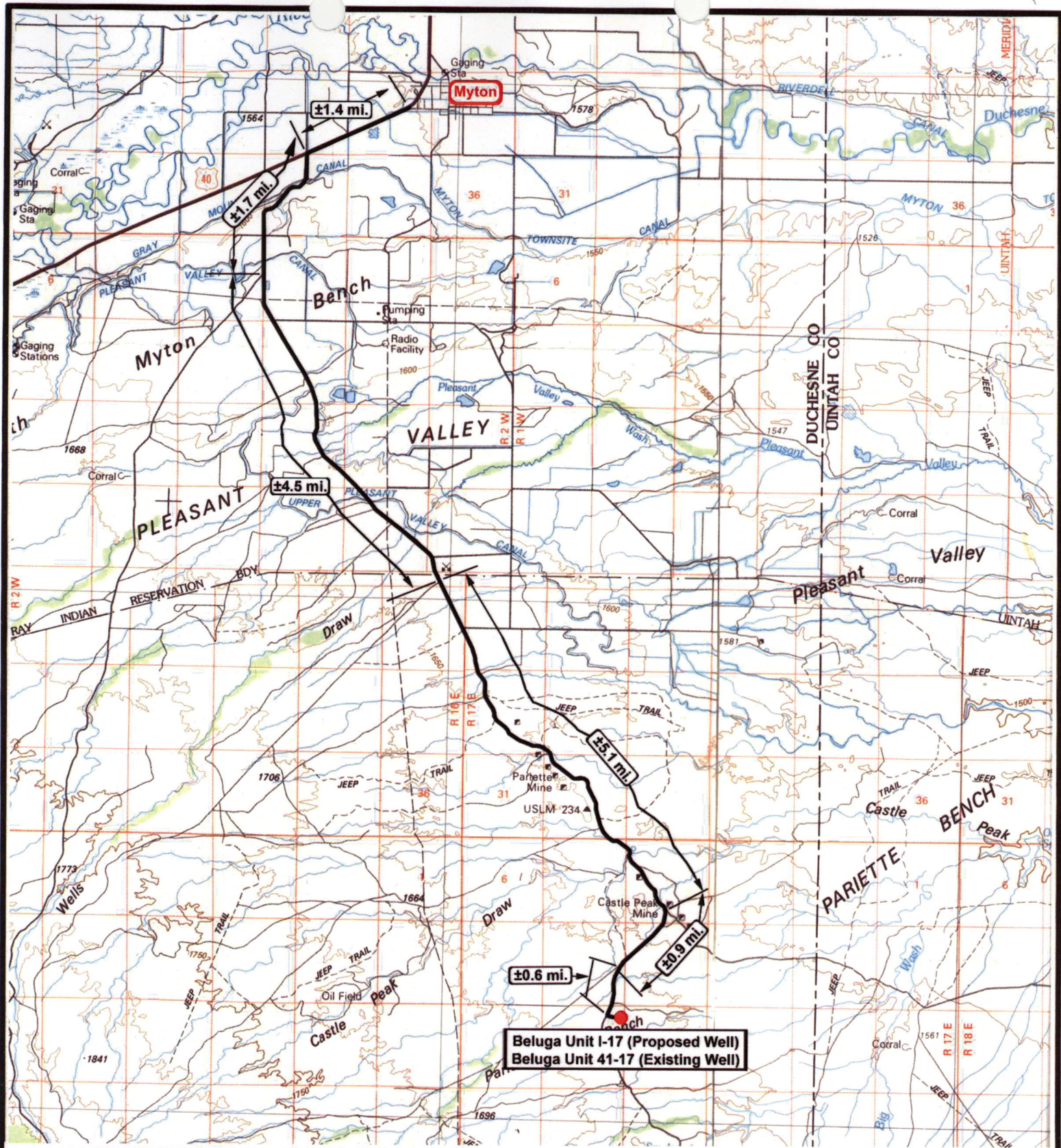
NE/NE Sec. 17, T9S, R17E


Duchesne County, Utah

UTU-72106









**NEWFIELD**  
Exploration Company

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**Beluga Unit I-17-9-17 (Proposed Well)**  
**Beluga Unit 41-17-9-17 (Existing Well)**  
 Pad Location: NENE SEC. 17, T9S, R17E, S.L.B.&M.






**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

---

SCALE: 1 = 100,000  
 DRAWN BY: JAS  
 DATE: 07-01-2008

**Legend**

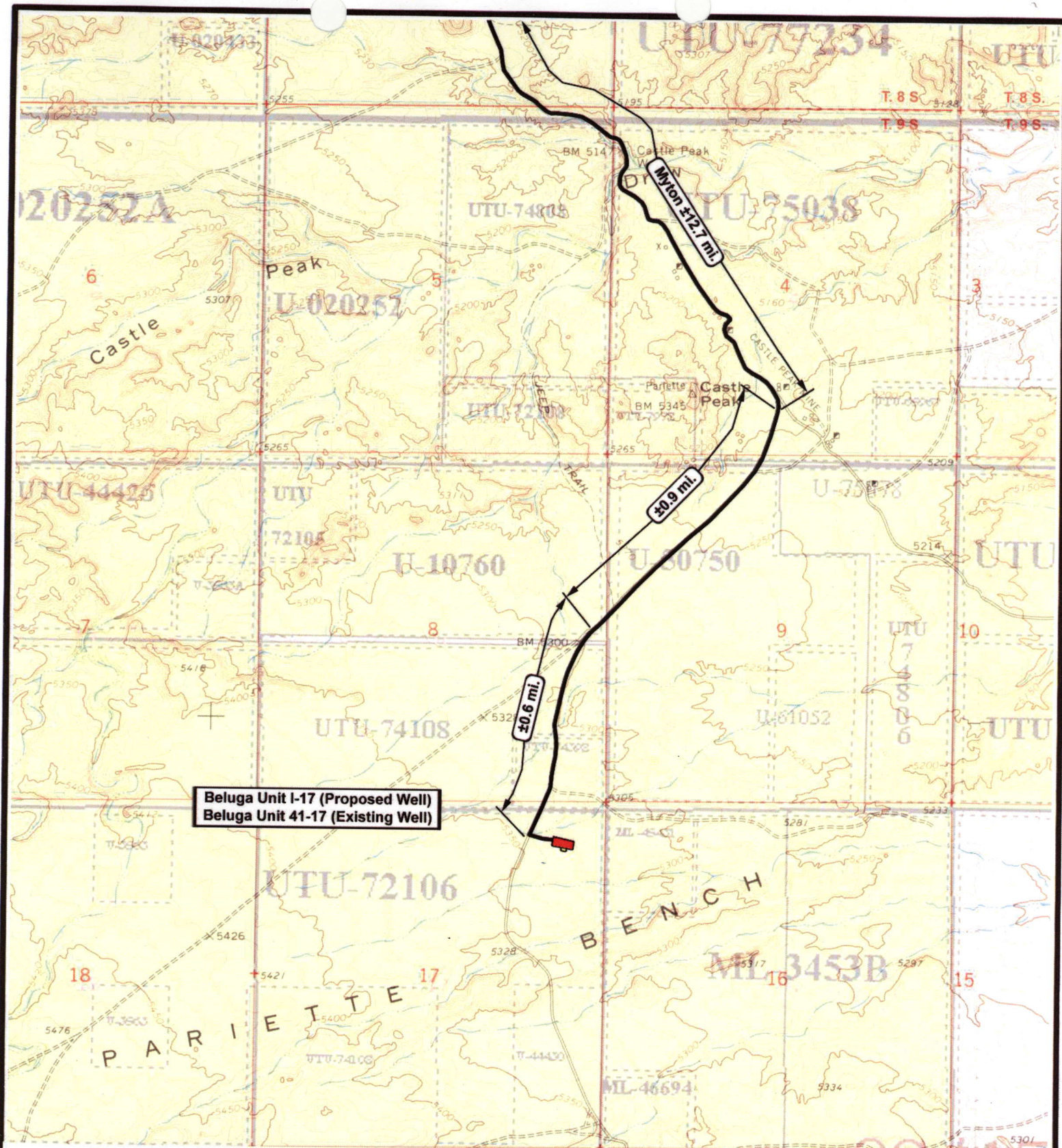
 Existing Road

---

**TOPOGRAPHIC MAP**

**"A"**





Beluga Unit I-17 (Proposed Well)  
Beluga Unit 41-17 (Existing Well)



**NEWFIELD**  
Exploration Company

**Beluga Unit I-17-9-17 (Proposed Well)**  
**Beluga Unit 41-17-9-17 (Existing Well)**  
Pad Location: NENE SEC. 17, T9S, R17E, S.L.B.&M.



**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2000'  
DRAWN BY: JAS  
DATE: 07-01-2008

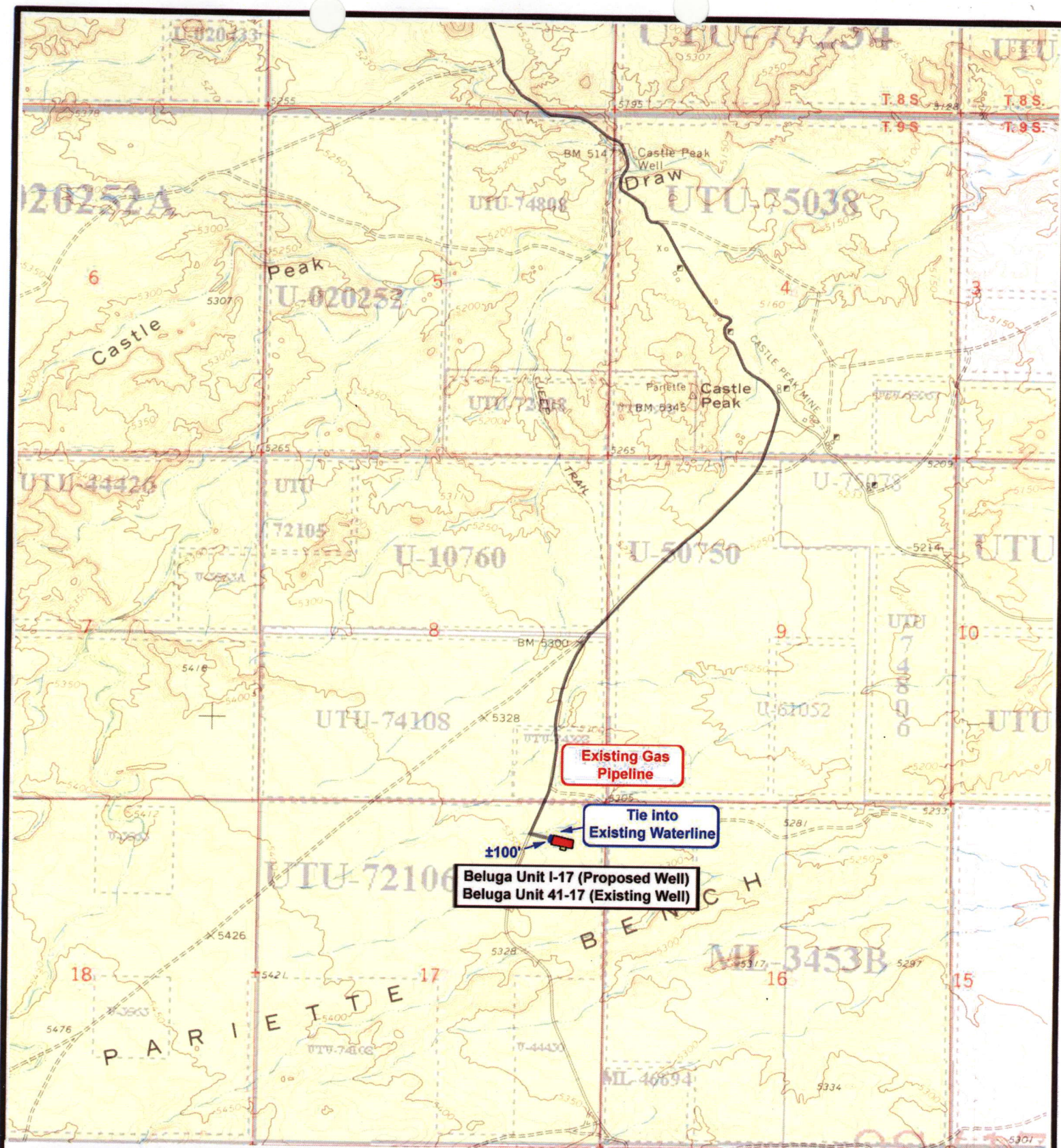
**Legend**


Existing Road

TOPOGRAPHIC MAP

**"B"**







**NEWFIELD**  
Exploration Company

**Beluga Unit I-17-9-17 (Proposed Well)**  
**Beluga Unit 41-17-9-17 (Existing Well)**  
Pad Location: NWNE SEC. 17, T9S, R17E, S.L.B.&M.



N



**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2000'  
DRAWN BY: JAS  
DATE: 07-01-2008

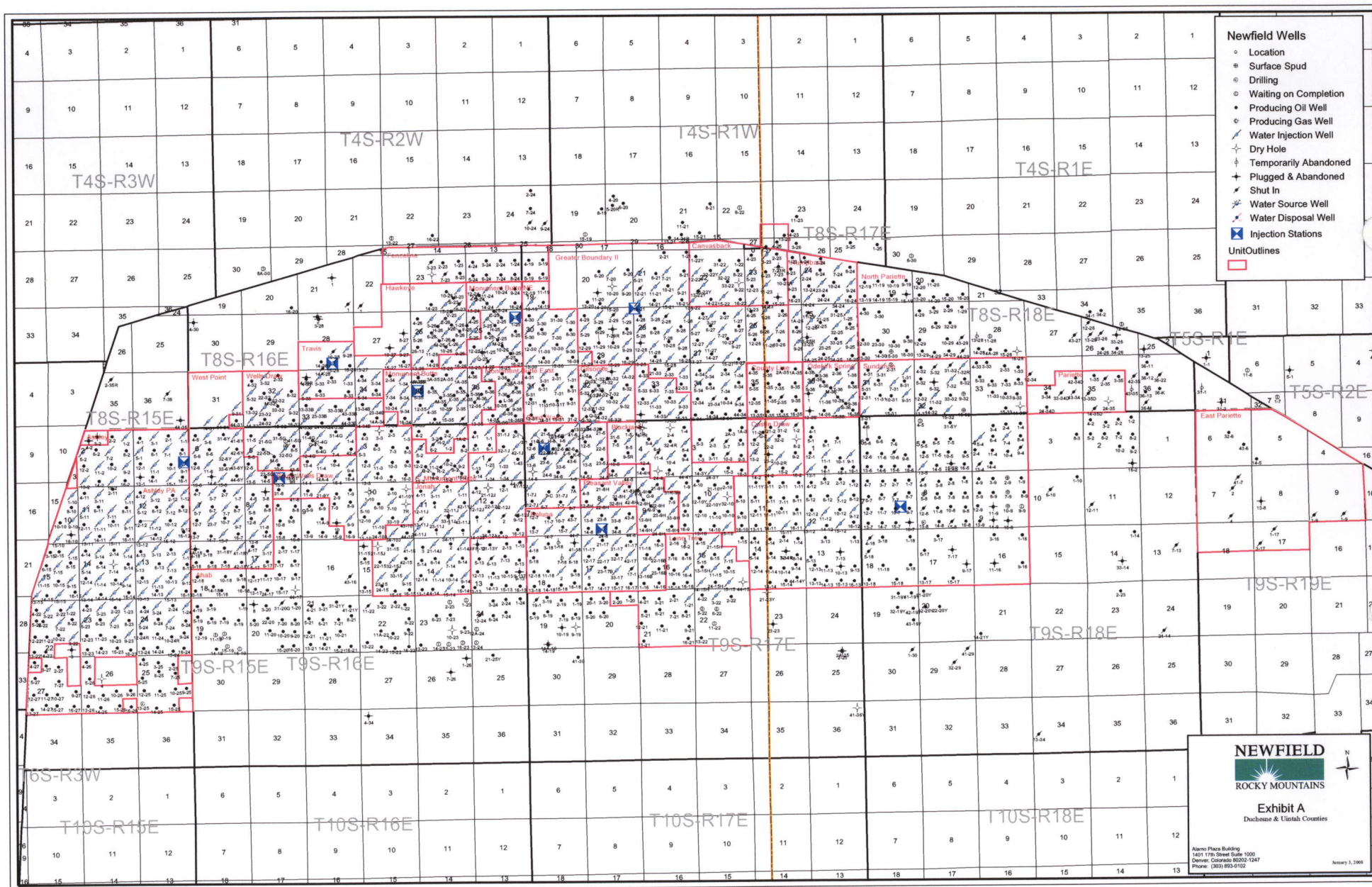
**Legend**

— Roads  
--- Proposed Water Line

**TOPOGRAPHIC MAP**

**"C"**





#### Newfield Wells

- Location
- Surface Spud
- Drilling
- Waiting on Completion
- Producing Oil Well
- Producing Gas Well
- Water Injection Well
- Dry Hole
- Temporarily Abandoned
- Plugged & Abandoned
- Shut In
- Water Source Well
- Water Disposal Well
- Injection Stations

Unit Outlines



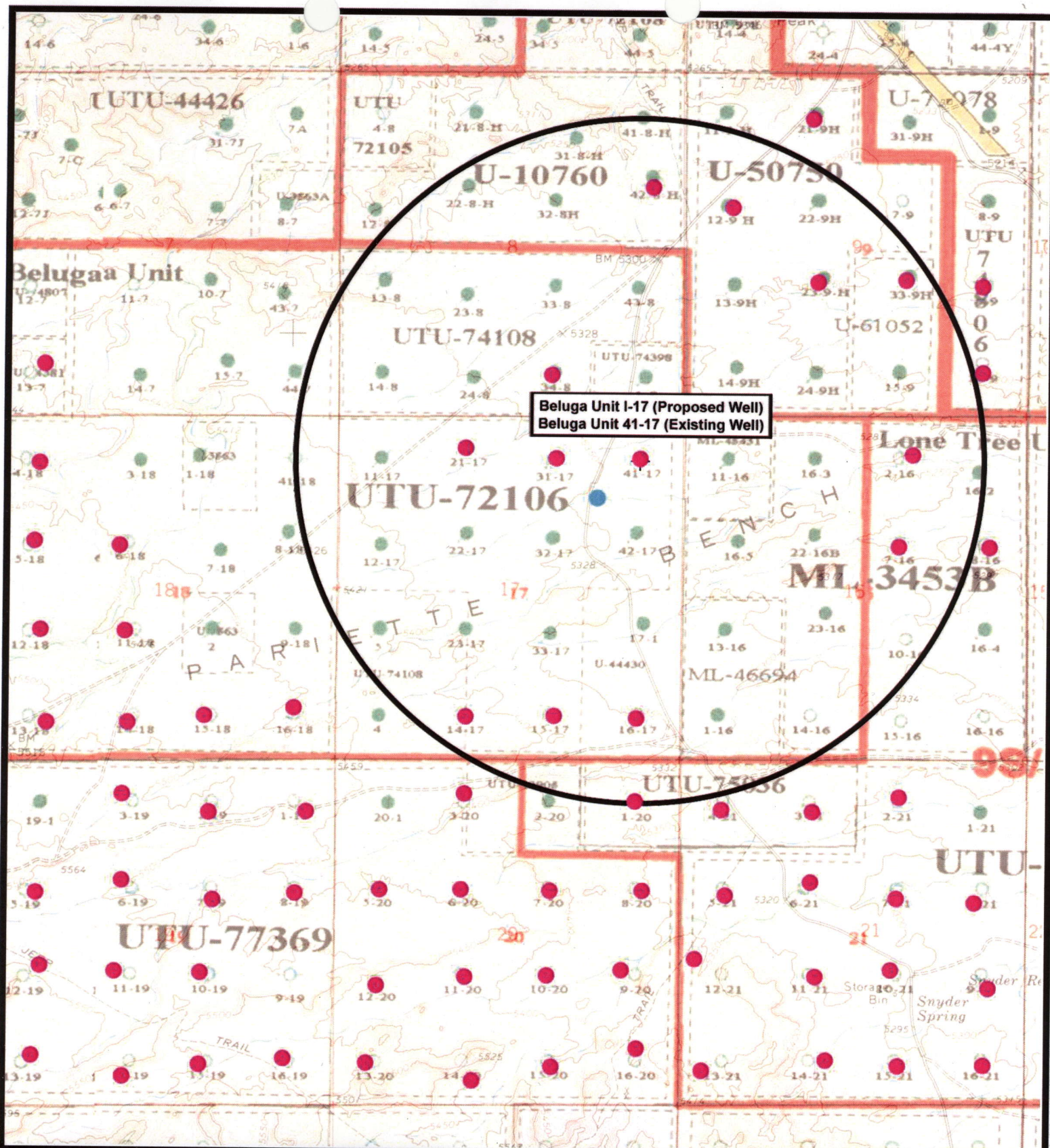
**NEWFIELD**  
ROCKY MOUNTAINS

Exhibit A  
Duchenne & Uintah Counties

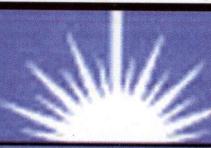
Alamo Plaza Building  
1401 17th Street Suite 1000  
Denver, Colorado 80202-1247  
Phone: (303) 893-0102

January 1, 2008





Beluga Unit I-17 (Proposed Well)  
Beluga Unit 41-17 (Existing Well)



**NEWFIELD**  
Exploration Company

**Beluga Unit I-17-9-17 (Proposed Well)**  
**Beluga Unit 41-17-9-17 (Existing Well)**  
Pad Location: NENE SEC. 17, T9S, R17E, S.L.B.&M.



**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2000'  
DRAWN BY: JAS  
DATE: 07-01-2008

- Legend**
- Pad Location
  - Bottom Hole Location
  - One-Mile Radius

**Exhibit "B"**

## 2-M SYSTEM

Blowout Prevention Equipment Systems

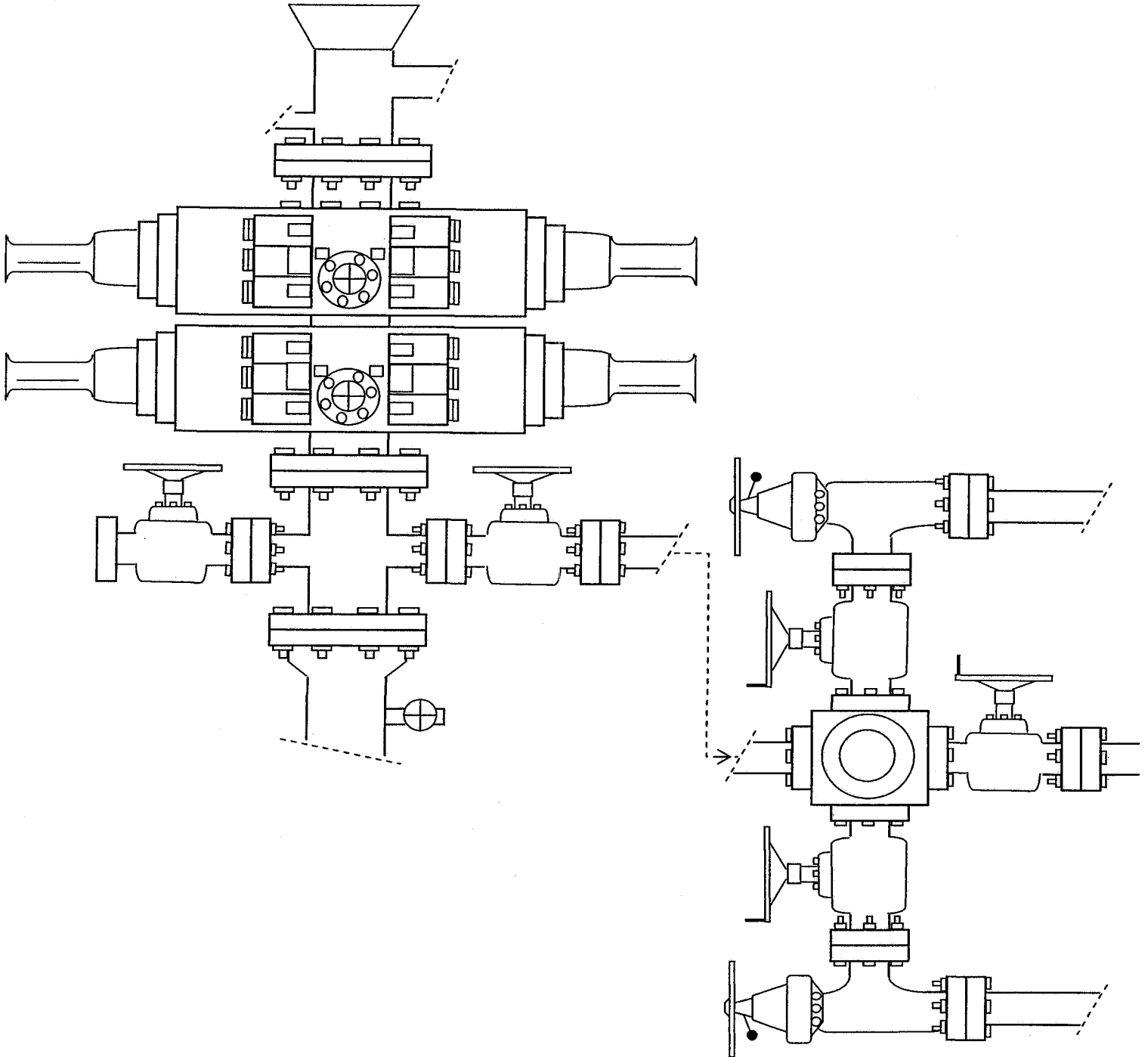


EXHIBIT C

Exhibit "D"

1 of 2

CULTURAL RESOURCE INVENTORY OF  
NEWFIELD EXPLORATION'S FOUR PROPOSED  
WATERLINES: JONAH UNIT T-1-9-16, G-11-9-16,  
X-6-9-17/C-7-9-17 AND BELUGA UNIT I-17-9-17  
DUCHESNE AND UINTAH COUNTIES, UTAH

By:

Nicole Shelnut

Prepared for:  
Bureau of Land Management  
Vernal Field Office

Prepared Under Contract With:

Newfield Exploration Company  
Rt. 3 Box 3630  
Myton, Utah 84052

Submitted By:

Montgomery Archaeological Consultants, Inc.  
P.O. Box 219  
Moab, Utah 84532

MOAC Report No. 08-197

August 22, 2008

United States Department of Interior (FLPMA)  
Permit No. 08-UT-60122

State of Utah Antiquities Project (Survey)  
Permit No. U-08-MQ-0671b



**NEWFIELD EXPLORATION COMPANY**

**WATER PIPELINE TIE-INS**

**DUCHESNE COUNTY, UTAH**

**NW 1/4, SE 1/4, Section 28, T 8 S, R 17 E (10-28-8-17);  
NE 1/4, NE 1/4, Section 17 & NE 1/4, NW 1/4, Section 7, T 9 S, R 17 E  
(41-17-9-17 & 7-C-9-17); NE 1/4, SE 1/4, Section 1 & NW 1/4, NW 1/4,  
Section 11, T 9 S, R 16 E (1-43-9-16 & 4-11-9-16)**

**REPORT OF SURVEY**

Prepared for:

**Newfield Exploration Company**

Prepared by:

Wade E. Miller  
July 25, 2008



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

November 5, 2008

Newfield Production Company  
Rt. #3, Box 3630  
Myton, UT 84052

Re: Beluga Federal I-17-9-17 Well, Surface Location 641' FNL, 673' FEL, NE NE, Sec. 17,  
T. 9 South, R. 17 East, Bottom Location 1235' FNL, 1350' FEL, NW NE, Sec. 17,  
T. 9 South, R. 17 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-34121.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal Field Office



Operator: Newfield Production Company  
Well Name & Number Beluga Federal I-17-9-17  
API Number: 43-013-34121  
Lease: UTU-72106

Surface Location: NE NE Sec. 17 T. 9 South R. 17 East  
Bottom Location: NW NE Sec. 17 T. 9 South R. 17 East

### Conditions of Approval

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### 2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 (801) 733-0983 home

#### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

5. Lease Serial No.

UTU-72106

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA Agreement, Name and No.

Beluga Unit

8. Lease Name and Well No.

Beluga Federal I-17-9-17

9. API Well No.

43 013 34121

10. Field and Pool, or Exploratory

Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area

Sec. 17, T9S R17E

12. County or Parish

Duchesne

13. State

UT

1a. Type of Work: ☒ DRILL

☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other

☒ Single Zone ☐ Multiple Zone

2. Name of Operator

Newfield Production Company

3a. Address

Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)

(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)

At surface NE/NE 641' FNL 673' FEL

At proposed prod. zone 1235' FNL 1350' FEL

14. Distance in miles and direction from nearest town or post office\*

Approximatley 14.2 miles southeast of Myton, Utah

15. Distance from proposed\*  
location to nearest  
property or lease line, ft.  
(Also to nearest drig. unit line, if any)

Approx. 1235' f/lse, 3875' f/unit

16. No. of Acres in lease

1,188.92

17. Spacing Unit dedicated to this well

20 Acres

18. Distance from proposed location\*  
to nearest well, drilling, completed,  
applied for, on this lease, ft.

Approx. 1265'

19. Proposed Depth

5860'

20. BLM/BIA Bond No. on file

WYB000493

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

5338' GL

22. Approximate date work will start\*

1st Quarter 2009

23. Estimated duration

Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature

Name (Printed/Typed)

Date

Mandie Crozier

9/18/08

Title

Regulatory Specialist

Approved by (Signature)

Name (Printed/Typed)

MAR 26 2009

Title

Assistant Field Manager  
Lands & Mineral Resources

Office

VERNAL FIELD OFFICE

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations or to furnish any material within its jurisdiction.

\*(Instructions on reverse)

RECEIVED

APR 20 2009

DIV. OF OIL, GAS & MINING

1006M  
NOTICE OF APPROVAL

RECEIVED  
VERNAL FIELD OFFICE  
APR 21 2009  
CONDITIONS OF APPROVAL ATTACHED



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

Company: Newfield Production Company  
Well No: Beluga Federal I-17-9-17  
API No: 43-013-34121

Location: NENE, Sec.17,T9S,R17E  
Lease No: UTU-72106  
Agreement: Beluga Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
Supervisory NRS:	Karl Wright	(435) 781-4484	
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:	James Hereford	(435) 781-3412	(435) 828-3546
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Dan Emmett	(435) 781-3414	(435) 828-4029
NRS/Enviro Scientist:	Paul Percival	(435) 781-4493	(435) 828-7381
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545
NRS/Enviro Scientist:	David Gordon	(435) 781-4424	
NRS/Enviro Scientist:	Christine Cimiluca	(435) 781-4475	
NRS/Enviro Scientist:	Lori Ford	(435) 781-4406	

Fax: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.

**NOTIFICATION REQUIREMENTS**

Location Construction (Notify Environmental Scientist)	- Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	- Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.



### **SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)**

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

### **SITE SPECIFIC CONDITIONS OF APPROVAL**

- Within 90 calendar days of the approval date for this Application for Permit to Drill (APD), the operator/lessee shall submit to the Authorized Officer (AO), on Sundry Notice Form 3160-5, an Interim/Final Surface Reclamation Plan for surface disturbance on well pads, access roads, and pipelines. At a minimum, this will include the reshaping of the pad to the original contour to the extent possible; the respreading of the top soil up to the rig anchor points; and, the area reseeded using appropriate reclamation methods. The AO will provide written approval or concurrence within 30 calendar days of receipt.

#### **Interim Reclamation:**

The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be **seeded using a rangeland drill**. Seeding depth as per AO, or seed distributor. If portions of the site are too steep (>40%), or rocky, that portion may be broadcast seeded. If broadcasting seed, the seed shall be walked into the soil with a dozer immediately after the seeding is completed, or covered by soil using a drag chain. Seeding shall occur in the fall (August 1<sup>st</sup> until snow or ground is frozen) with the following seed mix:

#### **Seed mix:**

Common name	Latin name	lbs/acre	Recommended seed planting depth
Forage Kochia	<i>Kochia prostrata</i>	0.20	1/2"
Squirreltail grass	<i>Elymus elymoides</i>	3.0	1/4 - 1/2"
Siberian wheatgrass	<i>Agropyron fragile</i>	1.0	1/2"
Shadscale saltbush	<i>Atriplex confertifolia</i>	0.50	1/2"
Four-wing saltbush	<i>Atriplex canescens</i>	0.50	1/2"
Gardner's saltbush	<i>Atriplex gardneri</i>	0.50	1/2"
Scarlet globemallow	<i>Sphaeralcea coccinea</i>	0.10	1/8 - 1/4"

- All pounds are pure live seed.
- All seed and mulch will be certified weed free.
- Rates are set for drill seeding; double rate if broadcasting.
- Reseeding may be required if initial seeding is not successful.

**Final reclamation:**

Once the location is plugged and abandoned, the well location, access, and any disturbed areas shall be recontoured to natural topography, topsoil shall be respread, and the entire location shall be seeded following guidelines in the seed mix bullet statement above. Final seed mix: same as interim unless otherwise instructed.

- Noxious and/or invasive weeds will be controlled along access roads, pipelines, well sites, and all other applicable facilities. Any noxious and/or invasive weeds outbreak, directly attributed to the activities of the Operator, will be the responsibility of the Operator to control. On BLM administered land, a Pesticide Use Proposal (PUP) must be submitted and approved prior to the application of herbicides, pesticides, or other possibly hazardous chemicals.
- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded in the same manner as the location topsoil.
- Once the location is plugged and abandoned, it shall be recontoured to natural topology, topsoil shall be respread, and the entire location shall be seeded with a seed mix recommended by the AO (see above). Seed application will follow all guidelines in the interim seed mix bullet statement above. If reclamation seeding should take place using the broadcast method, the seed at a minimum will be walked into the soil with a dozer immediately after the seeding is completed.

**DOWNHOLE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

**SITE SPECIFIC DOWNHOLE COAs:**

- Newfield Production Co. shall adhere to all referenced requirements in the SOP (version: June 24, 2008) along with all Oil and Gas rules and requirements listed in the Code of Federal Regulations and all Federal Onshore Oil and Gas Orders.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person

making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or



data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

Spud  
BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross Rig #  
29 Submitted By Don Bastian Phone  
Number 435-823-6012  
Well Name/Number Beluga Federal I-17-9-17  
Qtr/Qtr NE/NE Section 17 Township 9S Range 17E  
Lease Serial Number UTU-  
72106  
API Number 43-013-34121

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 4/30/09 10:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 4/30/09 5:00 AM ☐ PM ☒

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time \_\_\_\_\_ AM ☐ PM ☐

Remarks Move Ross Rig #29 To Beluga Federal I-17-9-17

Spud @ 10:00 AM

4/30/09

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address

Route 3 Box 3630  
Myton, UT 84052

3b. Phone (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Section 17 T9S R17E

5. Lease Serial No.

USA UTU-72106

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

BELUGA UNIT

8. Well Name and No.

Beluga I-17-9-17

9. API Well No.

4301334121

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Spud Notice
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 4/30/09 MIRU Ross Rig # 29 .Spud well @ 10:00 AM. Drill 320' of 12 1/4" hole with air mist. TIH W/ 8 Jt's 8 5/8" J-55 24 # csgn. Set @ 322.15 KB On 5/3/09 cement with 160 sks of class "G" w/ 2% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 4 bbis cement to pit. WOC.

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Alvin Nielsen

Signature

Title

Drilling Foreman

Date

05/11/2009

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Office

Date

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

**RECEIVED**

**MAY 19 2009**

**DIV. OF OIL, GAS & MINING**

## NEWFIELD PRODUCTION COMPANY - CASING &amp; CEMENT REPORT

8 5/8"	CASING SET AT	322.15
--------	---------------	--------

LAST CASING	_____	SET AT	_____
DATUM	<u>12</u>		
DATUM TO CUT OFF CASING		<u>12</u>	
DATUM TO BRADENHEAD FLANGE			<u>12</u>
TD DRILLER	<u>320</u>	LOGGER	_____
HOLE SIZE	<u>12 1/4"</u>		

OPERATOR Newfield Exploration Company  
WELL BELUGA I-17-9-17  
FIELD/PROSPECT MB  
CONTRACTOR & RIG # Ross # 29

## LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
1		guide shoe					0.9
1	8 5/8"	Shoe jt	24	J-55	STC		39.69
7	8 5/8"	csg	24	J-55	STC		270.61
1		WH-92					0.95

CENTRALIZER & SCRATCHER PLACEMENT	SHOW MAKE & SPACING
Middle of first top of first and top of second for a total of 3	

COMPANY REPRESENTATIVE      **Jim Smith**      DATE      **5/3/2009**



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Section 17 T9S R17E

5. Lease Serial No.

USA UTU-72106

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

BELUGA UNIT

8. Well Name and No.

Beluga I-17-9-17

9. API Well No.

4301334121

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Weekly Status Report</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 5/10/07 MIRU NDSI Rig # 2. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 282'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 5,932' & a TVD of 5,810. Lay down drill string & BHA. Open hole log w/ Dig/SP/IGR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 161 jt's of 5.5 J-55, 15.5# csgn. Set @ 6021' / KB. Cement with 240 sks cement mixed @ 11.0 ppg & 3.54 yld. Then 400 sks cement mixed @ 14.4 ppg & 1.24 yld. With 30 bbls cement returned to pit. Nipple down Bop's. Drop slips @76,000 #'s tension. Release rig 6:30 PM 5/17/09.

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Title

Drilling Foreman

Signature

Date

05/18/2009

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

**RECEIVED**

**MAY 19 2009**

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

**5 1/2" CASING SET AT 5929.61**

LAST CASING	<u>8 5/8"</u>	SET AT	<u>322.15</u>
DATUM	<u>12</u>		
DATUM TO CUT OFF CASING		<u>12</u>	
DATUM TO BRADENHEAD FLANGE			<u>12</u>
TD DRILLER	<u>5932</u>	LOGC	<u>5922</u>
HOLE SIZE	<u>7 7/8"</u>		

OPERATOR Newfield Exploration Company  
WELL BELUGA I-17-9-17  
FIELD/PROSPECT MB  
CONTRACTOR & RIG # NDSI # 2

## LOG OF CASING STRING:

[illegible]

[illegible]

COMPANY REPRESENTATIVE

## Alvin Nielsen

DATE **5/17/2009**

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM -FORM 6

OPERATOR: **NEWFIELD PRODUCTION COMPANY**  
ADDRESS: **RT. 3 BOX 3630**  
**MYTON, UT 84052**

OPERATOR ACCT. NO. **N2695**

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	11880	4301334121	BELUGA I-17-9-17	NENE	17	9S	17E	DUCHESNE	4/25/2009	5/19/09
WELL 1 COMMENTS: <i>GRPV</i>											
B	99999	12417	4301334162	LONE TREE FEDERAL 10-21-9-17	NWSE	21	9S	17E	DUCHESNE	5/5/2009	5/19/09
WELL 2 COMMENTS: <i>GRPV</i>											
B	99999	12417	4301334163	LONE TREE FEDERAL 15-21-9-17	SWSE	21	9S	17E	DUCHESNE	5/5/2009	5/19/09
WELL 3 COMMENTS: <i>GRPV</i>											
A	99999	17314	4301334000	FEDERAL 5-21-8 16	SWNW	21	8S	16E	DUCHESNE	5/8/2009	5/19/09
WELL 4 COMMENTS: <i>GRPV</i>											
WELL 5 COMMENTS:											
WELL 6 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - new entity for new well (single well only)
- B - well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - ther (explain in comments section)

**RECEIVED**

**MAY 19 2009**

**DIV. OF OIL, GAS & MINING**

NOTE: Use COMMENT section to explain why each Action Code was selected.

*[Signature]*  
Signature  
Jentri Park  
Production Clerk  
05/08/09  
Date

**STATE OF UTAH**  
**DEPARTMENT OF NATURAL RESOURCES**  
**DIVISION OF OIL, GAS AND MINING**

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

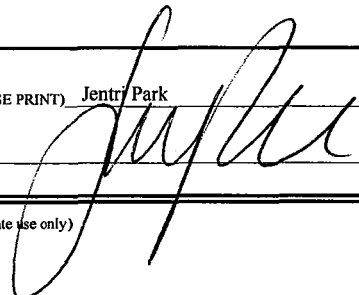
1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-72106
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: BELUGA UNIT
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: BELUGA UNIT
4. LOCATION OF WELL: FOOTAGES AT SURFACE:		8. WELL NAME and NUMBER: Beluga I-17-9-17
OTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: , 17, T9S, R17E		9. API NUMBER: 4301334121
		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
		COUNTY: DUCHESNE
		STATE: UT

**II. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - Weekly Status Report
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  07/23/2009			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was completed on 06/11/09, attached is a daily completion status report.

NAME (PLEASE PRINT) Jentry Park	TITLE Production Clerk
SIGNATURE 	DATE 07/23/2009
(This space for State use only)	

**RECEIVED**

**JUL 30 2009**

**DIV. OF OIL, GAS & MINING**

**Daily Activity Report****Format For Sundry****BELUGA I-17-9-17****4/1/2009 To 8/30/2009****5/29/2009 Day: 1****Completion**

Rigless on 5/29/2009 - 29 May 09 - RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL. Perforate stage #1. CP1 sds @ 5463-5478' & CP2 sds @ 5528-5534' - Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5864' cement top @ 56'. Perforate stage #1. CP1 sds @ 5463-5478' & CP2 sds @ 5528-5534' w/ 3 1/8" slick guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 84 shots. 132 BWTR. SWIFN.

**Daily Cost:** \$0**Cumulative Cost:** \$12,764**6/3/2009 Day: 2****Completion**

Rigless on 6/3/2009 - 6/02/09: Frac CP1/CP2 sds. - RU BJ Services. 163 psi on well. Broke @ 3476 psi. ISIP @ 2028 psi, 1 min @ 1744 psi, 4 min @ 1571 psi. FG @ .80. Frac CP1/CP2 sds w/ 49,922#'s of 20/40 sand in 474 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2050 psi w/ ave rate of 27.9 BPM. ISIP 2008 psi, 5 min @ 1895 psi, 10 min @ 1838 psi, 15 min @ 1803 psi. FG @ .80. Leave pressure on well. 606 BWTR. - RU Phoenix Surverys inc WLT, crane & Lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & 14' perf gun. Set plug @ 5090'. Perforate A1 sds @ 5018-32' w/ 3 1/8" Slick Guns (.39"EH, 19 gram, 120°) w/ 4 spf for total of 56 shots. RU BJ Services. 1535 psi on well. Broke @ 3643 psi, ISIP @ 1819 psi, 1 min @ 1643 psi, 4 min @ 1550 psi. FG @ .80. Frac A1 sds w/ 49,359#'s of 20/40 sand in 468 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2120 psi w/ ave rate of 27.8 BPM. ISIP 2170 psi, 5 min @ 2071 psi, 10 min @ 2022 psi, 15 min @ 1993 psi. FG. @ .87. Leave pressure on well. 1074 BWTR - RU BJ Services. 163 psi on well. Broke @ 3476 psi. ISIP @ 2028 psi, 1 min @ 1744 psi, 4 min @ 1571 psi. FG @ .80. Frac CP1/CP2 sds w/ 49,922#'s of 20/40 sand in 474 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2050 psi w/ ave rate of 27.9 BPM. ISIP 2008 psi, 5 min @ 1895 psi, 10 min @ 1838 psi, 15 min @ 1803 psi. FG @ .80. Leave pressure on well. 606 BWTR. - RU Phoenix Surverys inc WLT, crane & Lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & 14' perf gun. Set plug @ 5090'. Perforate A1 sds @ 5018-32' w/ 3 1/8" Slick Guns (.39"EH, 19 gram, 120°) w/ 4 spf for total of 56 shots. RU BJ Services. 1535 psi on well. Broke @ 3643 psi, ISIP @ 1819 psi, 1 min @ 1643 psi, 4 min @ 1550 psi. FG @ .80. Frac A1 sds w/ 49,359#'s of 20/40 sand in 468 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2120 psi w/ ave rate of 27.8 BPM. ISIP 2170 psi, 5 min @ 2071 psi, 10 min @ 2022 psi, 15 min @ 1993 psi. FG. @ .87. Leave pressure on well. 1074 BWTR - RU Phoenix Surverys inc WLT, crane & Lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & 4', 9' perf guns. Set plug @ 4927'. Perforate B2 sds @ 4904-08' & B1 sds @ 4857-66' w/ 3 1/8" Slick Guns (.39"EH, 19 gram, 120°) w/ 4 spf for total of 52 shots. RU BJ Services. 1755 psi on well. Broke @ 3268 psi, ISIP @ 1776 psi. Pressure dropped below open pressure. Skipped 1 & 4 min shut in pressures. FG @ .80. Frac B1/B2 sds w/ 29,480#'s of 20/40 sand in 397 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2161 psi w/ ave rate of 27.9 BPM. ISIP 2078 psi. FG. @ .86. Leave pressure on well. 1471 BWTR - RU Phoenix Surverys inc WLT, crane & Lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & 4', 9' perf guns. Set plug @ 4927'. Perforate B2 sds @ 4904-08' & B1 sds @ 4857-66' w/ 3 1/8" Slick Guns (.39"EH, 19 gram, 120°) w/ 4 spf for total of 52 shots. RU BJ Services. 1755 psi on well. Broke @ 3268 psi, ISIP @ 1776 psi. Pressure dropped below open pressure. Skipped 1 & 4 min shut in



pressures. FG @ .80. Frac B1/B2 sds w/ 29,480#'s of 20/40 sand in 397 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2161 psi w/ ave rate of 27.9 BPM. ISIP 2078 psi. FG. @ .86. Leave pressure on well. 1471 BWTR - RU Phoenix Surverys inc WLT, crane & Lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & 20' perf gun. Set plug @ 4800'. Perforate C sds @ 4748-68' w/ 3 1/8" Slick Guns (.39"EH, 19 gram, 120°) w/ 4 spf for total of 80 shots. Gun hung up @ 4650'. Surge gun free. RU BJ Services. 1805 psi on well. Broke @ 2700 psi. Pressure dropped below open pressure. Skipped 1 & 4 min shut in pressures. Pumped 9 bbls into perfs. Perfs locked up & would not take fluid. Attempt to surge well. Pressure dropped to 0 psi. RIH w/ dump bailer. Tag sand @ 4746'. Dump bail acid @ 4745'. RU BJ Services. Attempt to break down perfs w/ no success. RU BJ Services. SWIFN. 1480 BWTR. - RU Phoenix Surverys inc WLT, crane & Lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & 20' perf gun. Set plug @ 4800'. Perforate C sds @ 4748-68' w/ 3 1/8" Slick Guns (.39"EH, 19 gram, 120°) w/ 4 spf for total of 80 shots. Gun hung up @ 4650'. Surge gun free. RU BJ Services. 1805 psi on well. Broke @ 2700 psi. Pressure dropped below open pressure. Skipped 1 & 4 min shut in pressures. Pumped 9 bbls into perfs. Perfs locked up & would not take fluid. Attempt to surge well. Pressure dropped to 0 psi. RIH w/ dump bailer. Tag sand @ 4746'. Dump bail acid @ 4745'. RU BJ Services. Attempt to break down perfs w/ no success. RU BJ Services. SWIFN. 1480 BWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$23,339

#### 6/5/2009 Day: 4

#### Completion

Nabors #1111 on 6/5/2009 - 6/04/09: MIRU Nabors #1111. RU pump & lines. 1480 BWTR. - MIRU Nabors #1111. RU pump & lines. SWIFN. 1480 BWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$85,354

#### 6/8/2009 Day: 6

#### Completion

Nabors #1111 on 6/8/2009 - 6/08/09: Frac remaining zones. Flowback well. 2119 BWTR. - RU Cameron BOP w/ 2 7/8" pipe rams on top of Cameron BOP w/ blind rams. RIH w/ 2 7/8" notched collar & new 2 7/8" tbg. from pipe racks (tallying & drifting). Tag sand @ 4755'. C/O to CBP @ 4800'. Well began flowing. Flow well for 2.5 hrs @ approx. 3 bpm. Recovered 450 bbls. Kill well w/ 100 bbls 2% KCL water. POOH w/ tbg. RU PSI wireline. Set solid CBP @ 4780'. SWIFN. 1130 BWTR. - RU Phoenix Surverys inc WLT, crane & Lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & 7', 16' perf guns. Set plug @ 4170'. Perforate GB6 sds @ 4105-12' & GB4 sds @ 4060-76' w/ 3 1/8" Slick Guns (.39"EH, 19 gram, 120°) w/ 4 spf for total of 92 shots. RU BJ Services. 1700 psi on well. Broke @ 3068 psi, ISIP @ 1632 psi. Pressure dropped below open pressure. Skipped 1 & 4 min shut ins. FG @ .83. Frac GB4/GB6 sds w/ 69,883#'s of 20/40 sand in 585 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2048 psi w/ ave rate of 23.1 BPM. ISIP 2390 psi. Skipped 5, 10 & 15 min shut ins. FG. @ 1.02. Open well to pit for immediate flowback @ approx. 3 bpm. Well flowed for 5 hrs. Recovered 900 bbls. Trace of oil. SWIFN. 2119 BWTR. - RU Phoenix Surverys inc WLT, crane & Lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & 7', 16' perf guns. Set plug @ 4170'. Perforate GB6 sds @ 4105-12' & GB4 sds @ 4060-76' w/ 3 1/8" Slick Guns (.39"EH, 19 gram, 120°) w/ 4 spf for total of 92 shots. RU BJ Services. 1700 psi on well. Broke @ 3068 psi, ISIP @ 1632 psi. Pressure dropped below open pressure. Skipped 1 & 4 min shut ins. FG @ .83. Frac GB4/GB6 sds w/ 69,883#'s of 20/40 sand in 585 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2048 psi w/ ave rate of 23.1 BPM. ISIP 2390 psi. Skipped 5, 10 & 15 min shut ins. FG. @ 1.02. Open well to pit for immediate flowback @ approx. 3 bpm. Well flowed for 5 hrs. Recovered 900 bbls. Trace of oil. SWIFN. 2119 BWTR. - RU Phoenix Surverys inc WLT, crane & Lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & 12', 6' perf guns. Set plug @ 4710'. Perforate D2 sds @ 4640-52' &

D1 sds @ 4574-80' w/ 3 1/8" Slick Guns (.39"EH, 19 gram, 120°) w/ 4 spf for total of 72 shots. RU BJ Services. 1520 psi on well. Broke @ 3734 psi, ISIP @ 2116 psi, 1 min @ 1961 psi, 4 min @ 1889 psi. FG @ .89. Frac D1/D2 sds w/ 61,136#'s of 20/40 sand in 524 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2304 psi w/ ave rate of 26.8 BPM. ISIP 2429 psi, 5 min @ 2358 psi, 10 min @ 2270 psi, 15 min @ 2186 psi. FG @ .96. Leave pressure on well. 2434 BWTR - RU Cameron BOP w/ 2 7/8" pipe rams on top of Cameron BOP w/ blind rams. RIH w/ 2 7/8" notched collar & new 2 7/8" tbgs. from pipe racks (tallying & drifting). Tag sand @ 4755'. C/O to CBP @ 4800'. Well began flowing. Flow well for 2.5 hrs @ approx. 3 bpm. Recovered 450 bbls. Kill well w/ 100 bbls 2% KCL water. POOH w/ tbgs. RU PSI wireline. Set solid CBP @ 4780'. SWIFN. 1130 BWTR. - RU BJ Services. 45 psi on well. Broke @ 1966 psi. ISIP @ 462 psi, 1 min @ 123 psi, 4 min @ 41 psi. FG @ .53. Frac C sds w/ 85,047#'s of 20/40 sand in 780 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1945 psi w/ ave rate of 26.8 BPM. ISIP 2094 psi, 5 min @ 2023 psi, 10 min @ 1999 psi, 15 min @ 1966 psi. FG @ .87. Leave pressure on well. 1910 BWTR. - RU BJ Services. 45 psi on well. Broke @ 1966 psi. ISIP @ 462 psi, 1 min @ 123 psi, 4 min @ 41 psi. FG @ .53. Frac C sds w/ 85,047#'s of 20/40 sand in 780 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1945 psi w/ ave rate of 26.8 BPM. ISIP 2094 psi, 5 min @ 2023 psi, 10 min @ 1999 psi, 15 min @ 1966 psi. FG @ .87. Leave pressure on well. 1910 BWTR. - RU Phoenix Surverys inc WLT, crane & Lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & 12', 6' perf guns. Set plug @ 4710'. Perforate D2 sds @ 4640-52' & D1 sds @ 4574-80' w/ 3 1/8" Slick Guns (.39"EH, 19 gram, 120°) w/ 4 spf for total of 72 shots. RU BJ Services. 1520 psi on well. Broke @ 3734 psi, ISIP @ 2116 psi, 1 min @ 1961 psi, 4 min @ 1889 psi. FG @ .89. Frac D1/D2 sds w/ 61,136#'s of 20/40 sand in 524 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2304 psi w/ ave rate of 26.8 BPM. ISIP 2429 psi, 5 min @ 2358 psi, 10 min @ 2270 psi, 15 min @ 2186 psi. FG @ .96. Leave pressure on well. 2434 BWTR

**Daily Cost:** \$0

**Cumulative Cost:** \$115,615

#### 6/9/2009 Day: 7

#### Completion

Nabors #1111 on 6/9/2009 - 6/09/09: Set kill plug. ND Cameron BOP. NU Schaeffer BOP. RIH w/ tbgs. DU CBPs. - - RU The Perforators wireline truck. Set CBP @ 4010'. RD wireline truck. Bleed off well. ND Cameron BOP & 5m frac head. NU 3m production head & Schaeffer BOP. RIH w/ 4 3/4" chomp bit, bit sub & 2 7/8" tbgs. Tag CBP @ 4010'. RU powerswivel & pump. DU CBP in 30 min. Cont. RIH w/ tbgs. Tag fill @ 4164'. C/O to CBP @ 4170'. DU CBP in 30 min. Cont RIH w/ tbgs. Tag CBP @ 4680'. DU CBP in 35 min. Cont. RIH w/ tbgs. Tag fill @ 4770'. C/O to CBP @ 4780'. DU CBP in 30 min. Cont. RIH w/ tbgs. Tag fill @ 4790'. C/O to CBP @ 4800'. DU CBP in 75 min. Cont. RIH w/ tbgs. Tag CBP @ 4927'. DU CBP in 72 min. Circulate well clean. SWIFN. 2419 BWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$129,284

#### 6/11/2009 Day: 8

#### Completion

Nabors #1111 on 6/11/2009 - 6/10/09: DU CBP. C/O to PBTD. Swab for cleanup. - 800 psi on well. Bleed off well. Tag fill @ 5065'. C/O to CBP @ 5090'. DU CBP in 30 min. Cont. RIH w/ tbgs. Tag fill @ 5770'. C/O to PBTD @ 5915'. Circulate well clean. Pull up to 5785'. RU swab. SFL @ surface. Made 8 runs. Recovered 64 bbls. Well started flowing. Well flowed for 1 hr & died. Recovered total of 118 bbls. SWIFN. 2300 BWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$135,924

#### 6/14/2009 Day: 9

#### Completion

Nabors #1111 on 6/14/2009 - 6/11/09: Round trip tbg. PU rods. Put well on production @ 7:00 p.m. 120" stroke, 2.5 spm. 2410 BWTR. - Csg. @ 250 psi, tbg. @ 200 psi. Bleed off well. Pump 50 bbls water down tbg. RIH w/ tbg. Tag PBTD @ 5915'. Circulate well clean. POOH w/ tbg. LD BHA. RIH w/ 2 7/8" notched collar, 2 jts 2 7/8" tbg., PSN, 1 jt 2 7/8" tbg., 5 1/2" TAC, 177 jts 2 7/8" tbg. ND BOP. Set TAC @ 5502' w/ 18,000# tension. NU wellhead. X-over for rods. Flush tbg. w/ 60 bbls water. RIH w/ Central Hydraulic 2 1/2" x 1 3/4" x 20' x 24' RHAC rod pump, 4- 1 1/2" weight bars, 216- 7/8" guided rods (8 per), 1- 8', 6', 4', 2' x 7/8" pony subs, 1 1/2" x 26' polished rod. Seat pump. RU pumping unit. Hang off rods. Stroke test to 800 psi. Good pump action. RD. Put well on production @ 7:00 p.m. 120" stroke, 2.5 spm. Final Report. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$273,305

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**Pertinent Files: Go to File List**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. UTU-72106
b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr., Other: _____		6. If Indian, Allottee or Tribe Name NA
2. Name of Operator NEWFIELD EXPLORATION COMPANY		7. Unit or CA Agreement Name and No. BELUGA
3. Address 1401 17TH ST. SUITE 1000 DENVER, CO 80202		8. Lease Name and Well No. BELUGA I-17-9-17
3a. Phone No. (include area code) (435)646-3721		9. AFI Well No. 43-013-34121
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 641' FNL & 673' FEL (NE/NE) SEC. 17, T9S, R17E		10. Field and Pool or Exploratory MONUMENT BUTTE
At top prod. interval reported below BHL: 1235' FNL & 1350' FEL (NW/NE)		11. Sec., T., R., M., on Block and Survey or Area SEC. 7, T9S, R17E
At total depth 5932" 1335 FNL 1463 FEL S-17 T09S R17E SWNE		12. County or Parish DUCHESENE
14. Date Spudded 04/30/2009		13. State UT
15. Date T.D. Reached 05/15/2009		17. Elevations (DF, RKB, RT, GL)* 5338' GL 5350' KB
16. Date Completed 06/11/2009 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.		
18. Total Depth: MD 5932' TVD 5810' 5812'		20. Depth Bridge Plug Set: MD TVD
19. Plug Back T.D.: MD 5915' TVD 5795'		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) DUAL IND GRD, SP, COMP. DENSITY, COMP. NEUTRON, GR, CALIPER, CMT BOND		22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)									
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#		322'		160 CLASS G			
7-7/8"	5-1/2" J-55	15.5#		5930'		240 PRIMLITE		56'	
						400 50/50 POZ			

24. Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
2-7/8"	EOT@ 5600'	TA @ 5505'							

25. Producing Intervals				26. Perforation Record			
Formation	Top	Bottom		Perforated Interval	Size	No. Holes	Perf. Status
A) GREEN RIVER				(CP1) & (CP2) see below	.49"	4	84
B) GREEN RIVER				(A1) 5018-5032'	.49"	4	56
C) GREEN RIVER				(B2)4904-08(B1)4857-66'	.49"	4	52
D) GREEN RIVER				(C) 4748-4768'	.49"	4	80

27. Acid, Fracture, Treatment, Cement Squeeze, etc.	
Depth Interval	Amount and Type of Material
5463-5534'	Frac CP1/CP2 sds w/ 49,922#'s of 20/40 sand in 474 bbls of Lightning 17 fluid.
5018-5032'	Frac A1 sds w/ 49,359#'s of 20/40 sand in 468 bbls of Lightning 17 fluid.
4857-4908'	Frac B1/B2 sds w/ 29,480#'s of 20/40 sand in 397 bbls of Lightning 17 fluid.
4748-4768'	Frac C sds w/ 85,047#'s of 20/40 sand in 780 bbls of Lightning 17 fluid.

28. Production - Interval A									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
06/11/09	06/30/09	24	→	1	0	4			2-1/2" x 1-3/4" x 20' x 24' RHAC Rod Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					PRODUCING	

28a. Production - Interval B									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

\*(See instructions and spaces for additional data on page 2)

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DIV. OF OIL, GAS & MINING



## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

## 29. Disposition of Gas (Solid, used for fuel, vented, etc.)

USED FOR FUEL

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

## GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GARDEN GULCH MRK GARDEN GULCH 1	3560' 3762'
				GARDEN GULCH 2 POINT 3	3875' 4138'
				X MRKR Y MRKR	4395' 4427'
				DOUGALS CREEK MRK BI CARBONATE MRK	4556' 4799'
				B LIMESTON MRK CASTLE PEAK	4921' 5408'
				BASAL CARBONATE TOTAL DEPTH (LOGGERS)	5840' 5922'

## 32. Additional remarks (include plugging procedure):

STAGE 1: Perforate stage #1. CP1 sds @ 5463-5478' & CP2 sds @ 5528-5534' w/ 3 1/8" slick guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 84 shots.

STAGE 5: Perforate D2 sds @ 4640-52' & D1 sds @ 4574-80' w/ 3 1/8" Slick Guns (.39"EH, 19 gram, 120°) w/ 4 spf for total of 72 shots. Frac D1/D2 sds w/ 61,136#s of 20/40 sand in 524 bbls of Lightning 17 fluid.

STAGE 6: Perforate GB6 sds @ 4105-12' & GB4 sds @ 4060-76' w/ 3 1/8" Slick Guns (.39"EH, 19 gram, 120°) w/ 4 spf for total of 92 shots. Frac GB4/GB6 sds w/ 69,883#s of 20/40 sand in 585 bbls of Lightning 17 fluid.

## 33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)     
 ☐ Geologic Report     
 ☐ DST Report     
 ☒ Directional Survey  
☐ Sundry Notice for plugging and cement verification     
 ☐ Core Analysis     
 ☐ Other:

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Tammi LeeTitle Production ClerkSignature Date 07/09/2009

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

(Form 3160-4, page 2)

# NEWFIELD



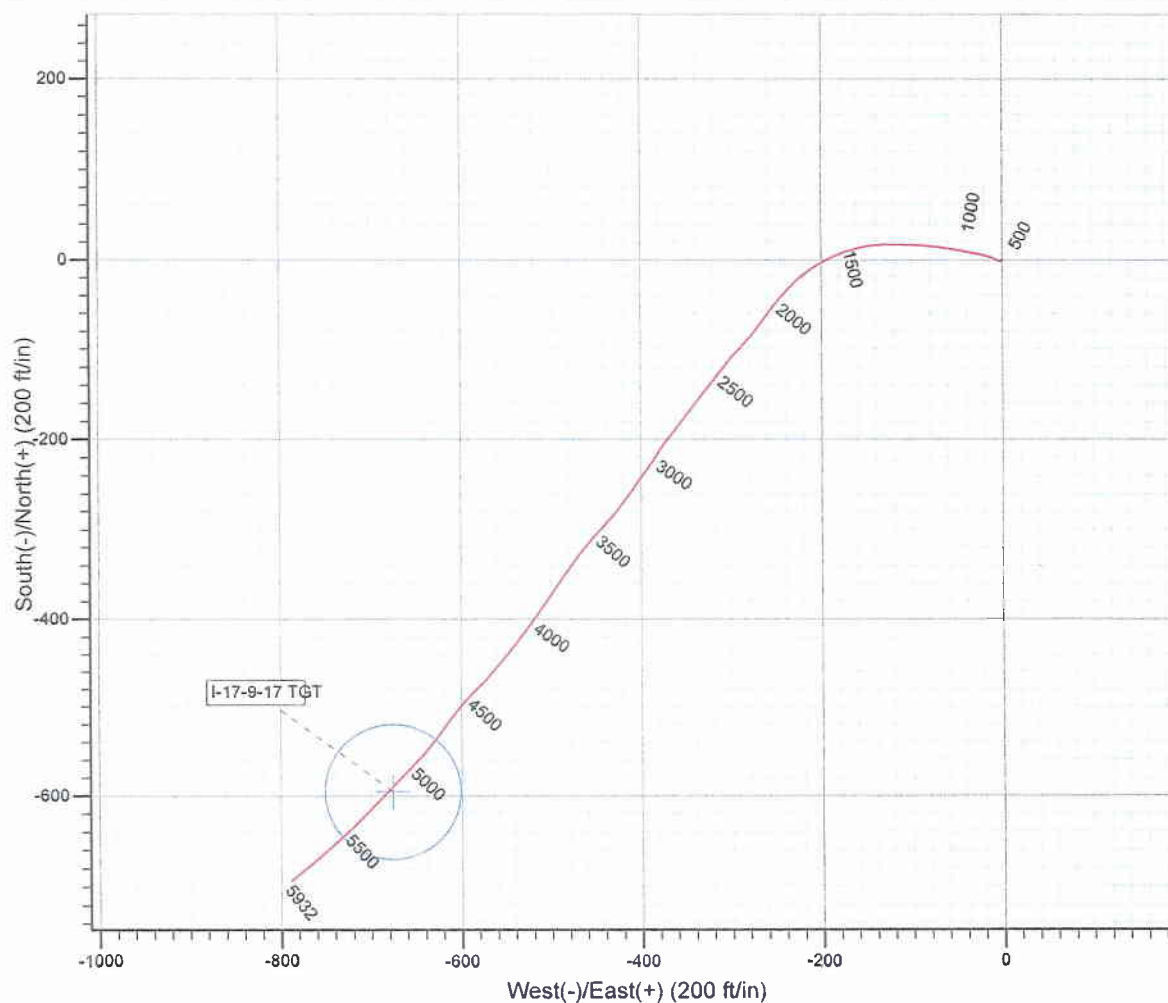
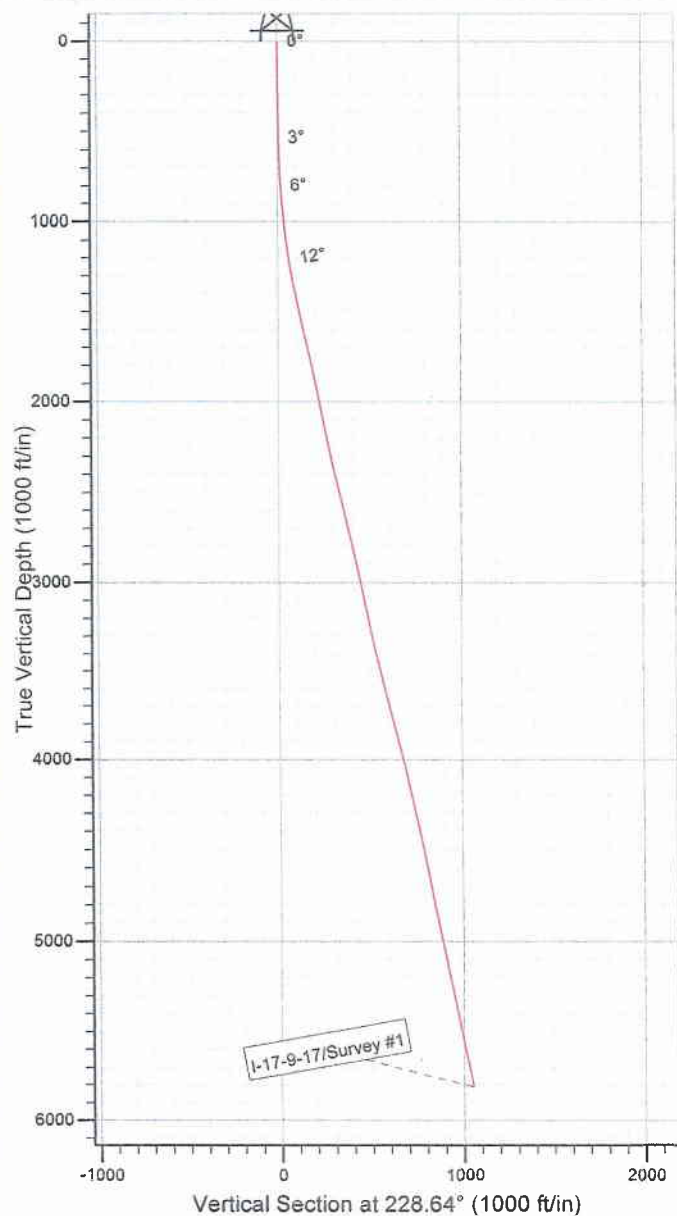
Project: USGS Myton SW (UT)  
 Site: SECTION 17 T9S, R17E  
 Well: I-17-9-17  
 Wellbore: Wellbore #1  
 SURVEY: Wellbore #1

FINAL SURVEY REPORT



Azimuths to True North  
 Magnetic North: 11.55°

Magnetic Field  
 Strength: 52510.5nT  
 Dip Angle: 65.86°  
 Date: 2009/05/04  
 Model: IGRF200510



HATHAWAY HBBURNHAM  
 DIRECTIONAL & MWD SERVICES

Survey: Survey #1 (I-17-9-17/Wellbore #1)

Created By: *Jim Hudson* Date: 8:40, May 20 2009

THIS SURVEY IS CORRECT TO THE BEST OF MY  
 KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD DATA.

**NEWFIELD**



## **NEWFIELD EXPLORATION**

**USGS Myton SW (UT)  
SECTION 17 T9S, R17E  
I-17-9-17**

**Wellbore #1**

**Survey: Survey #1**

## **Standard Survey Report**

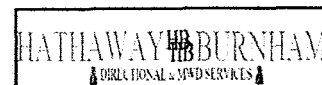
**20 May, 2009**





# HATHAWAY BURNHAM

## Survey Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 17 T9S, R17E  
**Well:** I-17-9-17  
**Wellbore:** Wellbore #1  
**Design:** Wellbore #1

**Local Co-ordinate Reference:** Well I-17-9-17  
**TVD Reference:** I-17-9-17 @ 5350.0ft (NDSI #1)  
**MD Reference:** I-17-9-17 @ 5350.0ft (NDSI #1)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.21 Single User Db

<b>Project</b>	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone	Using geodetic scale factor	

<b>Site</b>	SECTION 17 T9S, R17E, SEC 17 T9S, R17E			
<b>Site Position:</b>		<b>Northing:</b>	7,183,359.00 ft	<b>Latitude:</b> 40° 1' 51.244 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,051,842.00 ft	<b>Longitude:</b> 110° 1' 50.196 W
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	"	<b>Grid Convergence:</b> 0.94 °

<b>Well</b>	I-17-9-17, SHL LAT: 40 02 11.22, LONG: -110 01 24.37			
<b>Well Position</b>	<b>+N/-S</b>	0.0 ft	<b>Northing:</b>	7,185,413.00 ft
	<b>+E/-W</b>	0.0 ft	<b>Easting:</b>	2,053,817.15 ft
<b>Position Uncertainty</b>	0.0 ft	<b>Wellhead Elevation:</b>	ft	<b>Ground Level:</b> 0.0 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF200510	2009/05/04	11.55	65.86	52,511

<b>Design</b>	Wellbore #1			
<b>Audit Notes:</b>				
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b> 0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.0	0.0	0.0	228.64

<b>Survey Program</b>	<b>Date</b> 2009/05/20			
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
327.0	5,932.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
327.0	0.61	199.21	327.0	-1.6	-0.6	1.5	0.19	0.19	0.00
419.0	0.82	266.08	419.0	-2.2	-1.4	2.5	0.88	0.23	72.68
450.0	1.21	286.98	450.0	-2.1	-1.9	2.8	1.72	1.26	67.42
481.0	1.93	294.32	481.0	-1.8	-2.7	3.2	2.41	2.32	23.68
511.0	2.66	299.05	510.9	-1.2	-3.8	3.6	2.51	2.43	15.77
542.0	3.34	300.22	541.9	-0.4	-5.2	4.2	2.20	2.19	3.77
572.0	3.80	297.99	571.8	0.5	-6.8	4.8	1.60	1.53	-7.43
603.0	4.15	296.10	602.8	1.5	-8.7	5.6	1.21	1.13	-6.10
634.0	4.42	294.41	633.7	2.5	-10.8	6.5	0.96	0.87	-5.45
664.0	4.48	289.86	663.6	3.3	-13.0	7.5	1.19	0.20	-15.17
695.0	4.63	285.83	694.5	4.1	-15.3	8.8	1.14	0.48	-13.00
725.0	5.08	284.34	724.4	4.7	-17.8	10.2	1.56	1.50	-4.97





Company: NEWFIELD EXPLORATION  
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 Design: Wellbore #1

Local Co-ordinate Reference: Well I-17-9-17  
 TVD Reference: I-17-9-17 @ 5350.0ft (NDSI #1)  
 MD Reference: I-17-9-17 @ 5350.0ft (NDSI #1)  
 North Reference: True  
 Survey Calculation Method: Minimum Curvature  
 Database: EDM 2003.21 Single User Db

## Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
756.0	5.56	283.24	755.3	5.4	-20.6	11.9	1.58	1.55	-3.55
787.0	6.11	280.78	786.1	6.1	-23.7	13.7	1.95	1.77	-7.94
818.0	6.72	282.28	816.9	6.8	-27.1	15.8	2.04	1.97	4.84
848.0	7.27	282.47	846.7	7.6	-30.6	18.0	1.83	1.83	0.63
879.0	7.89	281.53	877.4	8.4	-34.6	20.4	2.04	2.00	-3.03
911.0	8.59	280.78	909.1	9.3	-39.1	23.2	2.21	2.19	-2.34
942.0	9.14	280.08	939.7	10.2	-43.8	26.2	1.81	1.77	-2.26
974.0	9.49	280.74	971.3	11.1	-48.9	29.4	1.14	1.09	2.06
1,006.0	9.73	279.86	1,002.8	12.1	-54.2	32.7	0.88	0.75	-2.75
1,037.0	9.98	279.33	1,033.4	12.9	-59.4	36.0	0.86	0.81	-1.71
1,069.0	10.24	278.28	1,064.9	13.8	-64.9	39.6	1.00	0.81	-3.28
1,101.0	10.63	276.78	1,096.4	14.6	-70.7	43.4	1.49	1.22	-4.69
1,132.0	11.03	275.66	1,126.8	15.2	-76.5	47.4	1.46	1.29	-3.61
1,164.0	11.59	274.71	1,158.2	15.7	-82.7	51.7	1.84	1.75	-2.97
1,196.0	12.06	273.90	1,189.5	16.2	-89.3	56.3	1.56	1.47	-2.53
1,227.0	12.33	273.05	1,219.8	16.6	-95.8	60.9	1.05	0.87	-2.74
1,259.0	12.72	272.70	1,251.0	17.0	-102.7	65.9	1.24	1.22	-1.09
1,291.0	13.14	271.88	1,282.2	17.3	-109.9	71.1	1.43	1.31	-2.56
1,323.0	13.44	270.61	1,313.4	17.4	-117.2	76.5	1.31	0.94	-3.97
1,354.0	13.69	268.78	1,343.5	17.4	-124.5	82.0	1.60	0.81	-5.90
1,386.0	13.82	266.39	1,374.6	17.1	-132.1	87.9	1.82	0.41	-7.47
1,418.0	13.97	264.48	1,405.6	16.5	-139.8	94.0	1.51	0.47	-5.97
1,449.0	14.02	261.84	1,435.7	15.6	-147.2	100.2	2.07	0.16	-8.52
1,481.0	13.91	258.74	1,466.8	14.3	-154.8	106.8	2.36	-0.34	-9.69
1,513.0	13.58	255.64	1,497.9	12.6	-162.2	113.5	2.52	-1.03	-9.69
1,544.0	13.36	252.70	1,528.0	10.6	-169.2	120.0	2.32	-0.71	-9.48
1,640.0	13.32	244.37	1,621.4	2.5	-189.7	140.8	2.00	-0.04	-8.68
1,735.0	12.74	236.20	1,714.0	-8.0	-208.3	161.7	2.03	-0.61	-8.60
1,830.0	12.28	228.64	1,806.7	-20.5	-224.6	182.2	1.79	-0.48	-7.96
1,925.0	11.69	220.93	1,899.7	-34.5	-238.5	201.8	1.79	-0.62	-8.12
2,019.0	11.58	219.10	1,991.8	-49.0	-250.7	220.5	0.41	-0.12	-1.95
2,114.0	11.16	215.19	2,084.9	-63.9	-262.0	238.9	0.92	-0.44	-4.12
2,209.0	11.80	217.17	2,178.0	-79.2	-273.2	257.3	0.79	0.67	2.08
2,304.0	12.15	222.20	2,270.9	-94.3	-285.8	276.8	1.16	0.37	5.29
2,399.0	12.81	221.92	2,363.7	-109.6	-299.5	297.2	0.70	0.69	-0.29
2,495.0	13.36	217.83	2,457.2	-126.2	-313.4	318.7	1.12	0.57	-4.26
2,590.0	13.97	217.48	2,549.5	-144.0	-327.1	340.7	0.65	0.64	-0.37
2,685.0	14.19	218.05	2,641.6	-162.3	-341.3	363.4	0.27	0.23	0.60
2,780.0	13.12	218.20	2,734.0	-179.9	-355.1	385.4	1.13	-1.13	0.16
2,875.0	14.04	217.43	2,826.3	-197.5	-368.8	407.3	0.99	0.97	-0.81
2,970.0	11.75	212.05	2,918.9	-214.9	-380.9	427.9	2.72	-2.41	-5.66
3,065.0	12.30	217.50	3,011.8	-231.1	-392.2	447.1	1.33	0.58	5.74
3,160.0	11.84	214.51	3,104.7	-247.2	-403.9	466.5	0.82	-0.48	-3.15
3,255.0	11.32	214.45	3,197.8	-262.9	-414.7	485.0	0.55	-0.55	-0.06
3,350.0	11.87	219.10	3,290.8	-278.2	-426.1	503.7	1.14	0.58	4.89
3,445.0	13.34	222.58	3,383.6	-293.8	-439.7	524.2	1.74	1.55	3.66
3,540.0	13.95	220.51	3,475.9	-310.6	-454.6	546.4	0.82	0.64	-2.18
3,635.0	13.75	217.52	3,568.1	-328.3	-468.9	568.9	0.78	-0.21	-3.15
3,730.0	14.37	214.31	3,660.3	-347.0	-482.4	591.4	1.05	0.65	-3.38
3,825.0	14.35	214.36	3,752.3	-366.4	-495.7	614.2	0.02	-0.02	0.05
3,920.0	14.35	215.04	3,844.3	-385.8	-509.1	637.0	0.18	0.00	0.72
4,015.0	13.91	214.60	3,936.5	-404.8	-522.4	659.6	0.48	-0.46	-0.46
4,110.0	13.65	217.61	4,028.7	-423.1	-535.7	681.6	0.80	-0.27	3.17
4,205.0	12.82	217.55	4,121.2	-440.3	-548.9	703.0	0.87	-0.87	-0.06

**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 17 T9S, R17E  
**Well:** I-17-9-17  
**Wellbore:** Wellbore #1  
**Design:** Wellbore #1

**Local Co-ordinate Reference:** Well I-17-9-17  
**TVD Reference:** I-17-9-17 @ 5350.0ft (NDSI #1)  
**MD Reference:** I-17-9-17 @ 5350.0ft (NDSI #1)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.21 Single User Db

## Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,300.0	12.11	217.99	4,214.0	-456.5	-561.5	723.1	0.75	-0.75	0.46
4,395.0	12.57	224.14	4,306.8	-471.8	-574.8	743.2	1.46	0.48	6.47
4,491.0	12.37	222.84	4,400.5	-486.8	-589.1	763.9	0.36	-0.21	-1.35
4,586.0	12.15	219.50	4,493.3	-502.0	-602.4	783.9	0.78	-0.23	-3.52
4,681.0	11.58	216.42	4,586.3	-517.4	-614.4	803.0	0.90	-0.60	-3.24
4,776.0	10.83	215.10	4,679.5	-532.4	-625.2	821.0	0.83	-0.79	-1.39
4,871.0	10.88	218.64	4,772.8	-546.7	-635.9	838.5	0.70	0.05	3.73
4,966.0	11.65	224.00	4,866.0	-560.6	-648.2	856.9	1.37	0.81	5.64
5,061.0	11.77	223.33	4,959.0	-574.5	-661.5	876.1	0.19	0.13	-0.71
5,156.0	12.66	224.03	5,051.8	-589.1	-675.4	896.2	0.95	0.94	0.74
5,204.1	12.16	223.54	5,098.9	-596.5	-682.5	906.5	1.06	-1.03	-1.02
<b>I-17-9-17 TGT</b>									
5,252.0	11.67	223.01	5,145.7	-603.7	-689.3	916.3	1.06	-1.03	-1.11
5,347.0	12.06	224.47	5,238.7	-617.8	-702.8	935.8	0.52	0.41	1.54
5,442.0	11.14	224.93	5,331.7	-631.4	-716.3	954.8	0.97	-0.97	0.48
5,537.0	11.80	228.13	5,424.8	-644.4	-730.0	973.7	0.96	0.69	3.37
5,632.0	11.27	229.23	5,517.9	-657.0	-744.2	992.7	0.60	-0.56	1.16
5,727.0	11.62	230.71	5,611.0	-669.1	-758.7	1,011.5	0.48	0.37	1.56
5,822.0	11.60	231.43	5,704.1	-681.1	-773.5	1,030.7	0.15	-0.02	0.76
5,872.0	10.48	231.03	5,753.1	-687.1	-781.0	1,040.2	2.25	-2.24	-0.80
5,932.0	10.48	231.03	5,812.1	-693.9	-789.5	1,051.1	0.00	0.00	0.00

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

H	HEADER	INFORMATION	-----					
H	COMPANY	:	NEWFIELD	EXPLORATION				
H	FIELD	:	USGS	Myton	SW	(UT)		
H	SITE	:	SECTION	17 T9S,	R17E			
H	WELL	:	I-17-9-17					
H	WELLPATH:	Wellbore	#1					
H	DEPTHUNT:	ft						
H	SURVDATE:	5/20/2009						
H	DECLINATION CORR.							
H	=	10.61 TO	GRIDH	-----				
H	WELL	INFORMATION						
H	WELL	EW	MAP	:	2053817			
H	WELL	NS	MAP	:	7185413			
H	DATUM	ELEV N	:	5350				
H	VSECT	ANGLE	:	228.64				
H	VSECT	NORTH	:	0				
H	VSECT	EAST	:	0				
H	-----							
H	SURVEY	TYPE	INFORMATION					
H	327 -	5932 SURVEY	#1	:	MWD			
H	-----							
H	SURVEY	LIST						
MD	INC	AZI	TVD	NS	EW	VS	DLS	
	0	0	0	0	0	0	0	0
327	0.61	199.21	326.99	-1.64	-0.57	1.52	0.19	
419	0.82	266.08	418.99	-2.15	-1.39	2.47	0.88	
450	1.21	286.98	449.98	-2.07	-1.93	2.81	1.72	
481	1.93	294.32	480.97	-1.76	-2.71	3.2	2.41	
511	2.66	299.05	510.95	-1.21	-3.78	3.64	2.51	
542	3.34	300.22	541.9	-0.41	-5.19	4.17	2.2	
572	3.8	297.99	571.85	0.5	-6.82	4.79	1.6	
603	4.15	296.1	602.77	1.47	-8.74	5.59	1.21	
634	4.42	294.41	633.68	2.46	-10.83	6.51	0.96	
664	4.48	289.86	663.59	3.33	-12.99	7.55	1.19	
695	4.63	285.83	694.5	4.09	-15.33	8.81	1.14	
725	5.08	284.34	724.39	4.75	-17.78	10.21	1.56	
756	5.56	283.24	755.26	5.43	-20.57	11.85	1.58	
787	6.11	280.78	786.09	6.08	-23.66	13.74	1.95	
818	6.72	282.28	816.9	6.78	-27.05	15.82	2.04	
848	7.27	282.47	846.68	7.56	-30.62	17.99	1.83	
879	7.89	281.53	877.41	8.41	-34.62	20.43	2.04	
911	8.59	280.78	909.08	9.3	-39.12	23.22	2.21	
942	9.14	280.08	939.71	10.16	-43.82	26.17	1.81	
974	9.49	280.74	971.28	11.1	-48.91	29.38	1.14	
1006	9.73	279.86	1002.83	12.05	-54.17	32.69	0.88	
1037	9.98	279.33	1033.38	12.93	-59.4	36.04	0.86	
1069	10.24	278.28	1064.88	13.79	-64.95	39.63	1	

1101	10.63	276.78	1096.35	14.55	-70.7	43.45	1.49
1132	11.03	275.66	1126.8	15.18	-76.49	47.38	1.46
1164	11.59	274.71	1158.18	15.75	-82.74	51.69	1.84
1196	12.06	273.9	1189.5	16.24	-89.27	56.28	1.56
1227	12.33	273.05	1219.8	16.64	-95.81	60.92	1.05
1259	12.72	272.7	1251.04	16.98	-102.74	65.89	1.24
1291	13.14	271.88	1282.23	17.27	-109.9	71.07	1.43
1323	13.44	270.61	1313.37	17.43	-117.25	76.49	1.31
1354	13.69	268.78	1343.5	17.39	-124.52	81.97	1.6
1386	13.82	266.39	1374.59	17.07	-132.12	87.89	1.82
1418	13.97	264.48	1405.65	16.45	-139.78	94.04	1.51
1449	14.02	261.84	1435.73	15.56	-147.22	100.22	2.07
1481	13.91	258.74	1466.78	14.26	-154.83	106.79	2.36
1513	13.58	255.64	1497.87	12.58	-162.24	113.46	2.52
1544	13.36	252.7	1528.02	10.61	-169.19	119.98	2.32
1640	13.32	244.37	1621.43	2.53	-189.75	140.75	2
1735	12.74	236.2	1714	-8.04	-208.32	161.67	2.03
1830	12.28	228.64	1806.75	-20.54	-224.61	182.16	1.79
1925	11.69	220.93	1899.68	-34.49	-238.5	201.8	1.79
2019	11.58	219.1	1991.75	-49	-250.69	220.54	0.41
2114	11.16	215.19	2084.89	-63.92	-262	238.89	0.92
2209	11.8	217.17	2177.99	-79.17	-273.17	257.35	0.79
2304	12.15	222.2	2270.92	-94.32	-285.75	276.8	1.16
2399	12.81	221.92	2363.68	-109.56	-299.5	297.2	0.7
2495	13.36	217.83	2457.19	-126.24	-313.42	318.66	1.12
2590	13.97	217.48	2549.5	-144.01	-327.13	340.69	0.65
2685	14.19	218.05	2641.64	-162.28	-341.28	363.39	0.27
2780	13.12	218.2	2733.96	-179.92	-355.13	385.44	1.13
2875	14.04	217.43	2826.3	-197.55	-368.8	407.35	0.99
2970	11.75	212.05	2918.9	-214.9	-380.94	427.92	2.72
3065	12.3	217.5	3011.82	-231.13	-392.23	447.12	1.33
3160	11.84	214.51	3104.72	-247.18	-403.91	466.5	0.82
3255	11.32	214.45	3197.78	-262.9	-414.71	484.99	0.55
3350	11.87	219.1	3290.85	-278.18	-426.15	503.67	1.14
3445	13.34	222.58	3383.56	-293.83	-439.72	524.2	1.74
3540	13.95	220.51	3475.88	-310.61	-454.58	546.44	0.82
3635	13.75	217.52	3568.11	-328.27	-468.89	568.85	0.78
3730	14.37	214.31	3660.27	-346.96	-482.41	591.35	1.05
3825	14.35	214.36	3752.3	-366.41	-495.7	614.18	0.02
3920	14.35	215.04	3844.34	-385.77	-509.11	637.03	0.18
4015	13.91	214.6	3936.46	-404.81	-522.35	659.56	0.48
4110	13.65	217.61	4028.73	-423.09	-535.68	681.64	0.8
4205	12.82	217.55	4121.21	-440.33	-548.94	702.98	0.87
4300	12.11	217.99	4213.97	-456.54	-561.5	723.12	0.75
4395	12.57	224.14	4306.77	-471.81	-574.83	743.22	1.46
4491	12.37	222.84	4400.51	-486.85	-589.1	763.86	0.36
4586	12.15	219.5	4493.34	-502.02	-602.38	783.86	0.78

4681	11.58	216.42	4586.32	-517.41	-614.4	803.05	0.9
4776	10.83	215.1	4679.5	-532.38	-625.19	821.04	0.83
4871	10.88	218.64	4772.81	-546.69	-635.92	838.55	0.7
4966	11.65	224	4865.98	-560.59	-648.18	856.94	1.37
5061	11.77	223.33	4959	-574.54	-661.49	876.15	0.19
5156	12.66	224.03	5051.85	-589.07	-675.38	896.17	0.95
5252	11.67	223.01	5145.69	-603.74	-689.31	916.32	1.06
5347	12.06	224.47	5238.66	-617.84	-702.82	935.78	0.52
5442	11.14	224.93	5331.72	-631.42	-716.25	954.84	0.97
5537	11.8	228.13	5424.82	-644.41	-729.97	973.71	0.96
5632	11.27	229.23	5517.9	-656.95	-744.23	992.71	0.6
5727	11.62	230.71	5611.02	-669.07	-758.67	1011.55	0.48
5822	11.6	231.43	5704.07	-681.08	-773.54	1030.65	0.15
5872	10.48	231.03	5753.15	-687.08	-781.01	1040.22	2.25
5932	10.48	231.03	5812.14	-693.94	-789.49	1051.12	0



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